

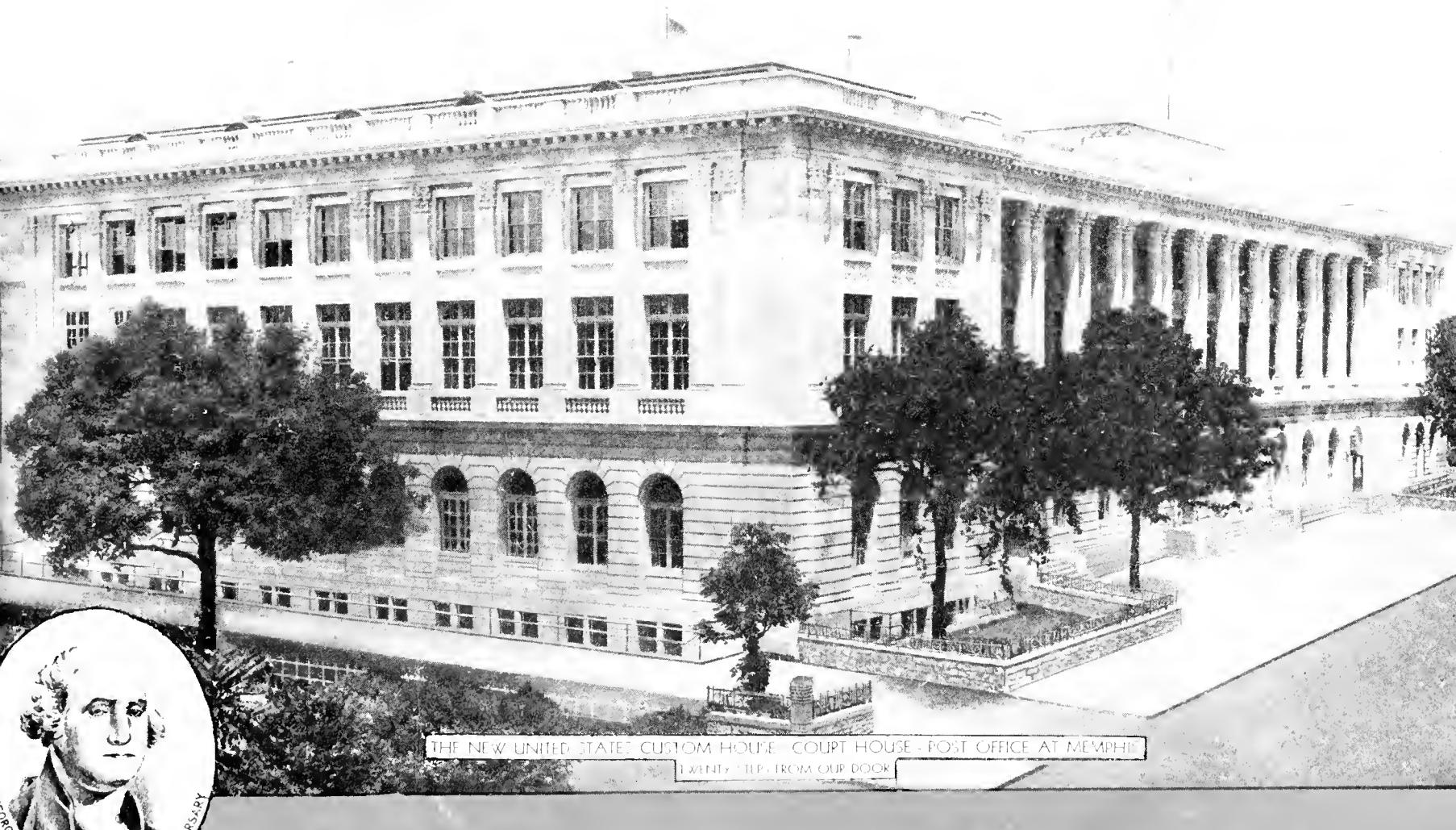
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62.81

TOPNOTCH SEEDS for 1932



RUSSELL-HECKLE SEED CO. MEMPHIS, TENN.

The home of good seeds

Vegetable Seed Trials

JAN 22 1932

Sterling Quality

RUSSELL-HECKLE'S

Baby Chicks

Our Sterling grade baby chicks are hatched from properly mated, pedigreed pure bred flocks, chicks that will live and grow if properly handled. Sterling chicks are No. 1 grade from pedigreed flocks, not hatched from promiscuous eggs. Try Sterling chicks and see the difference. All Sterling chicks are shipped from our hatchery, not from Memphis. Shipped regularly every Monday, so get your order in the week before and chicks will reach you when you want them.

100% LIVE DELIVERY GUARANTEED

You will absolutely get full count and full value and we guarantee 100% live delivery on our Sterling chicks. All are selected at the hatchery to see that you get strong, husky chicks.

We take all the risk, as a matter of fact, we generally put in a few more chicks than you pay for as our hatchery usually puts in some extras. We further guarantee that you will be thoroughly satisfied with the Sterling baby chicks we ship you. The stock is right and the chicks are right.

Baby chicks are almost certain money-makers, whether purchased for supplying the home fryers, egg layers or for the farm commercial flock. Our Sterling chicks are easy to raise, you can get them promptly, and are delivered by your postman without any inconvenience or trouble, just have a good brooder or some hens to care for the chicks on arrival. Start them early, it pays to get and have the chicks as early in the spring as possible.

MONEY MAKING BABY CHICKS

HOW TO ORDER

Our hatchery ships every Monday during the hatching season, so endeavor to get your order in the week before and you can then depend on getting the chicks you order the following Tuesday. The earlier we have your order the better service we can give you.

When you order, give second choice in case we are sold up on the breed you order. This is to save delay.

All orders are acknowledged promptly on receipt. Remit by Post-office or Express money order. Our terms on baby chicks are cash in advance to one and all alike.

PRICES FOR DELIVERY IN JANUARY, FEBRUARY, MARCH, APRIL

	200 or More		
	50 Chicks	100 Chicks	Per 100 Chicks
Barred Plymouth Rocks.....	\$5.25	\$9.50	\$9.00
Rhode Island Reds.....	5.25	9.50	9.00
White Plymouth Rocks.....	5.25	9.50	9.00
White Wyandottes	5.25	9.50	9.00
Buff Orpingtons	5.25	9.50	9.00
Mottled Anconas	5.00	9.00	8.50
S. C. White Leghorns.....	5.00	9.00	8.50
Brown Leghorns	5.00	9.00	8.50
Mixed Heavy Breeds.....	5.00	9.00	8.50

No less than 50 chicks of one variety shipped.
Terms cash with order.

STERLING HATCHED S. C. WHITE WYANDOTTES

Can give you either Fishel's or Martin's Wyandottes. As early fryers this breed is one of the best. The Wyandottes are superior winter layers and produce beautiful, large size hens and roosters. Wyandottes are a vigorous, strong breed that are easily raised.

STERLING HATCHED BARRED PLYMOUTH ROCKS

We can furnish Thompson and Purdue strains in this most popular breed. Barred Plymouth Rocks are hardy, profit producers, that grow quickly and repay the investment. For early broilers, this breed is hard to beat.

STERLING HATCHED S. C. RHODE ISLAND REDS

This breed has the vitality and ability to stand weather conditions, and quick growth are the outstanding good points in Rhode Island Reds. We can supply either Tompkin's or the Thompson strain—both good. Rhode Island Reds grow quick, are vigorous and make fine fryers early.

PRICES FOR DELIVERY IN MAY, JUNE AND JULY

	200 or More		
	50 Chicks	100 Chicks	Per 100 Chicks
Barred Plymouth Rocks.....	\$5.00	\$9.00	\$8.00
Rhode Island Reds.....	5.00	9.00	8.00
White Plymouth Rocks.....	5.00	9.00	8.00
White Wyandottes	5.00	9.00	8.00
Buff Orpingtons	5.00	9.00	8.00
Mottled Anconas	4.75	8.50	7.50
White Leghorns	4.75	8.50	7.50
Brown Leghorns	4.75	8.50	7.50
Mixed Heavy Breeds.....	4.75	8.50	7.50

STERLING HATCHED MOTTLED ANCONAS

Shepperd's strain, the best there is in this class. The Anconas are of the Mediterranean class, wonderful layers. When it comes to shelling out eggs the Anconas are on the job. The eggs are snow white, good size and weight, and always bring top prices. For steady production, the Anconas lead them all, they are just naturally a busy chicken, never get too fat, thus, they keep in condition for producing eggs the year 'round.

STERLING HATCHED S. C. WHITE LEGHORNS

The leading breed for egg production, they produce big chalk white eggs the year 'round. We have the Tancred and English White Leghorns, both noted for their superior laying qualities. The Sterling chicks we furnish of S. C. White Leghorns inherit their production from world famous strains noted for the exceptional yield of eggs. You can't go wrong in having White Leghorns if you are out for eggs.

STERLING HATCHED WHITE PLYMOUTH ROCKS

A great big white chicken that lays big white eggs. We have the celebrated Tolman strain of this most excellent breed. They are good layers and grow quickly to frying size. If you are in doubt as to a breed to select, you won't go wrong with White Plymouth Rocks.

THE CHICKS YOU START EARLY

Are the most profitable. Don't delay, order today, avoid disappointment. The demand for Sterling chicks is always great and this year we look for a heavier demand than ever before. Don't take a chance—order Sterling chicks now. Get them right. You want the proper foundation and this is the time, with Sterling chicks.



FROM SELECTED BREEDS

Sterling chicks are all strong hatched chicks from pedigreed stock under the careful supervision of an expert, also to see that they are from stock that is properly mated to bring strong chicks. These breeds are housed in modern sanitary quarters and every precaution used to assure healthy, strong, vigorous chicks.

**ORDER FOR
SEEDS, BULBS, PLANTS, ETC.**



RUSSELL-HECKLE SEED CO.

**SALES OFFICE AND STORE: 26 SO. FRONT ST.
WHOLESALE WAREHOUSE AT LINDEN STATION**

MEMPHIS, TENN.

DATE _____ **FORWARD BY** _____ **MAIL-EXPRESS
OR FREIGHT** _____

NAME _____

POST OFFICE

COUNTY _____ **STATE** _____

R.F.D. _____ Box _____

EXPRESS OR FREIGHT OFFICE

NON-WARRANTY

Russell-Heckle Seed Company give no warranty, express or implied, as to description, quality, productiveness, of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

IN EXPLANATION

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow plantings, etc., all causes beyond our control; therefore, it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

AMOUNT CARRIED OVER

USE THIS ORDER SHEET IF POSSIBLE. IT AIDS IN FILLING ORDERS PROMPTLY.

SPECIAL RATES ON PACKET GARDEN AND FLOWER SEEDS

Select any six 5c size for..... \$.25 Select any three 10c size for..... \$.25
Select any thirteen 5c size for..... .50 Select any seven 10c size for..... .50

We pay parcel post at above rates, but allow no further discounts.

FREE FLOWER SEEDS. When mailing us your order, write on lines below five names and addresses of your neighbors or friends who buy seeds, bulbs, plants, poultry supplies, fertilizers, etc., and we will send you free five packets of fresh desirable Flower Seeds. Just put down names that you think will want seeds, etc., and we will do the rest.

WE PAY POSTAGE on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts of Peas, Beans and Sweet Corn, and on plants and bulbs except where noted otherwise, and upon all goods quoted in our catalogue where it says: Parcel post paid.

Phenomenal New Dahlias : Exceptional Dahlias *for 1932*



Radio Dahlia

In these new and standard Dahlias you will find many desirable and fine varieties, all at very reasonable prices. It pays to have the good kinds, of high merit. These bulbs will be mailed to you during the month of March or early in April—in fact, we do not advise planting any Dahlia bulbs before April, or even in May is better. You get more and better blooms by planting in May. Removing the flower buds and proper pruning will throw large blossoms, so do not fail to prune and disbud the plants. Too many flowers on the stem will be at the expense of size.

For general list of Dahlia Bulbs, see page 29.



Beatrice Slocombe Dahlia

Andreas Hofer This new Holland importation is the finest of the modern Cactus Dahlias we have ever seen. In color, it is a most delightful shade of rose-pink blending to yellow at the center. In addition to its exquisite coloring, it has exceptionally long, stiff stems—so long that this is one of the very best dahlias for cut-flower purposes that we have ever seen among the new creations. It is an especially abundant bloomer, flowering continuously from early July until killed by frost in October. Highly recommended. 75c each.

Aurantiaca Rare importation from Holland; a most abundant flowering, continuous blooming new creation in the favorite autumn shades. A blend of buff and golden bronze, with distinctly twisting petals and very long stiff stems. \$1.00 each.

Jane Cow Phenomenal decorative dahlia of golden buff and old gold blending to apricot and rose at the center. Splendid formation, gigantic size, long strong stems. \$1.00 each.

Margaret Woodrow Wilson Mammoth opalescent pink creation with exceptionally strong stiff stems. A remarkable creation of creamy white suffused pink, the reflex or reverse side of each petal being a deeper lavender pink. A very fine exhibition flower, and equally good in the garden. 75c each; 3 for \$2.00.

Radio Decorative. This phenomenal dahlia will produce flowers of greater size than any other dahlia we have seen. Grown ordinarily (without forcing, etc.), it produces flowers 8 to 10 inches in diameter. In addition to its gigantic size, it is a continuous bloomer, producing its magnificent flowers on strong, stiff stems. In color, a most attractive combination of deep "American Beauty" red, blending to yellow at center, with tips of gold. It makes a very sturdy and vigorous plant and one that we can recommend to the most critical enthusiast. \$1.00 each.

Waldheim Sunshine Deep golden yellow shading to chrome yellow at the center, while the reflex is lightly suffused scarlet. Beautifully shaped flowers, possessing long curling petals. Flowers 6 to 10 inches in diameter. \$2.00 each.

Collection of Phenomenal New Dahlias *for 1932*

One of each, 6 distinct varieties, for \$5.00.

One each of Aurantiaca, Radio, and Margaret Woodrow Wilson for \$2.25, postpaid.

Ambassador Giant Hybrid Cactus Dahlia from California. Blends of gold, salmon and yellow. \$1.00 each; 3 for \$2.75.

Beatrice Slocombe A perfectly formed decorative flower of rich carmine-red blending to old gold, each petal tipped gold. It is an early, continuous and abundant bloomer which makes it ideal as a garden variety. The combination of colors is very attractive; a most unique and pleasing blossom. \$1.00 each.

Jersey's Beacon Chinese scarlet; very large and attractive flowers on strong stems. \$1.00 each.

Mrs. Elmer O. Drew This immense new creation attracted considerable attention in our garden this past fall. Its flowers are of tremendous size—6 to 9 inches in diameter (without forcing or disbudding)—and are composed of very long, beautifully curled petals. Rich purplish-maroon. Some would classify it as a Hybrid Cactus, but we think it nearer a Hybrid Decorative. Blooms very abundantly and gives complete satisfaction. \$1.00 each; 3 for \$2.75; 6 for \$5.00.

Sequoia Gigantea Another gigantic Californian production of excellent habits. It is well named, as it is as sturdy as the giant trees of California, and towers above other plants in the garden. An immense flower of buttercup-yellow with a suggestion of red. The largest and best of the deep yellow decoratives. A very broad, well-formed flower produced on stems as stiff as cane. 75c each; 3 for \$2.00; 6 for \$3.75.

One each of the 5 exceptional Dahlias above for \$4.00, postpaid.

One each of Beatrice Slocombe, Mrs. E. O. Drew, and Sequoia Gigantea for \$2.25, postpaid.

Pompon Dahlias

Amber Queen Very abundant flowering; long stiff stems, ideal for cutting; in very heavy demand for bouquets at the flower shops. An unusually beautiful combination of amber, beautifully edged apricot. Highly recommended. 35c each; 3 for \$1.00; \$3.50 per dozen.

Belle of Springfield The smallest dahlia grown, very tiny, brick-red. 75c each; 3 for \$2.00.

Golden Queen Very abundant flowering, pure golden yellow. One of the very finest cut-flower dahlias we have ever seen, and an excellent Pompon. In very heavy demand for bouquets at the flower shops. 35c each; 3 for \$1.00; 6 for \$1.75; 12 for \$3.25.

THE MAHAN PECAN

We take great pleasure in offering our customers the opportunity of securing trees of the new Mahan Pecan, a real horticultural sensation that is sweeping the country.

We show a picture of a tree only 19 months after planting, bearing over a pound of nuts. So far the nuts have brought wholesale over \$1.00 per pound.

We are of the opinion the Mahan Pecan will succeed in this section, as it has produced good crops where Stuart, Success and Schley have been grown successfully.

The Mahan nut is a giant in size, supreme in quality, thin shell, attractive to the eye.

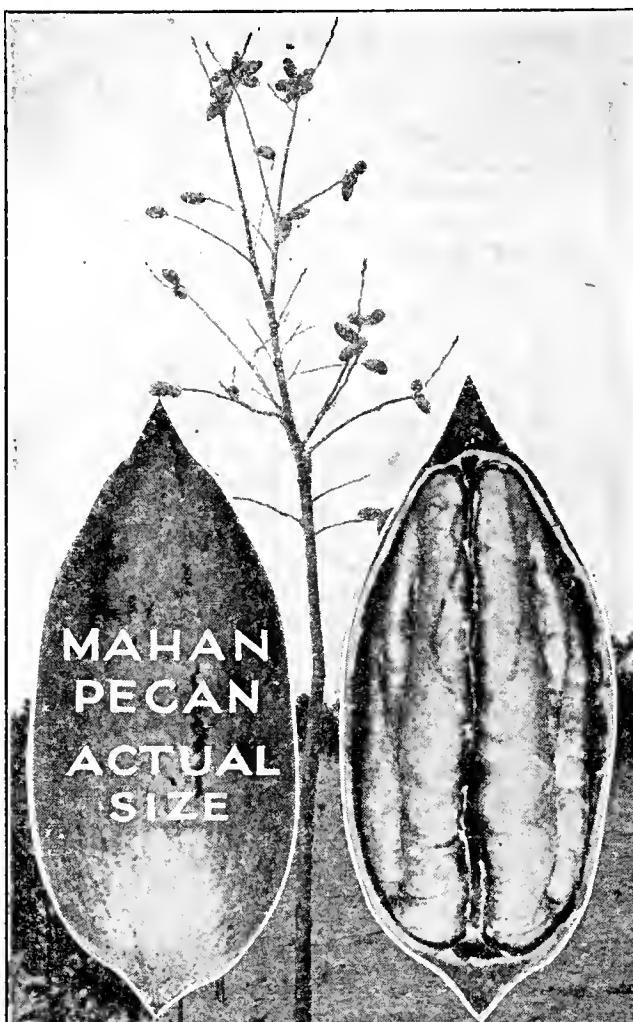
Years of closest observation fail to disclose any scab either in tree or nut. Nuts are very large, run 33 to the pound.

Origin of the Mahan Pecan

Eighteen years ago Mr. J. M. Chestnut of Kosciusko, Miss., was visiting the State Fair at Jackson, Miss., and persuaded a man roaming around with a glass jar of fine pecans to sell him five of the nuts for \$1.00. Mr. Chestnut took them home to Kosciusko and planted them. One of the young trees showed exceptional vigor, it started bearing very early, and the nuts were much larger than the original nut planted.

This tree continued to bear good crops and when it was 14 years old bore about 80 pounds of nuts.

The tree is a vigorous grower, unusually large, beautiful foliage, prolific early bearer, and an annual producer.



MAHAN PECAN TREE AND NUTS
Nineteen months after planting, bearing over a pound of nuts.

Prices of the Mahan Pecan Trees

All size trees are the same price, first orders being given preference on the larger trees. Size of trees three to four feet. If you wish small trees, state so.

Deliveries begin early in February and continue during the planting season.

The Mahan Pecan is sold only under a special non-propagating agreement, which must be agreed to by signing the agreement below.

The trees we offer are grown by the Monticello Nursery Co. and will be labeled "Mahan" with an aluminum label and copyrighted.

Prices
F. O. B. Nursery

1 to 23 trees.....Each \$5.00
24 to 50 trees.....Each 4.50

Extra order blanks with Agreement Blanks sent on application.

No other variety of pecan was ever known to bear so many pecans at such a young age.

Plant trees as early as possible in February. Soak roots well before planting.

Complete directions for planting furnished with orders.

ORDER BLANK FOR MAHAN PECAN TREES

RUSSELL-HECKLE SEED CO.,
Agents for Monticello Nursery Co.,
Memphis, Tenn.
Gentlemen:

Place.....

Date

You may enter my order for.....Mahan (trade-mark registered) Pecan Trees

, at \$.....each,

to be shipped about

to.....

via express collect. Terms of payment not less than 20% with order and balance before trees are shipped.

Realizing the advantages of having all propagating of the Mahan variety done by one nursery, so as to keep the strain clear and true to type, and realizing the great expense of the widespread testing and investigation of the Mahan variety and the great cost of its introduction, it is a protection to the general public as well as the Monticello Nursery Company from the imposition of substitution and misbranding often practiced by unscrupulous dealers. This is intended to prevent fakirs from misbranding and marketing inferior varieties of pecans and pecan trees as genuine Mahan. Furthermore, this will enable nut growers who purchase genuine Mahan pecan trees to reap the rewards of the high prices on the nut markets for the Mahan nuts without having the damaging influence of bogus and inferior sorts which may be substituted as genuine. Thus the reputation of the Mahan for being the finest quality pecan in the world, with thin shell, large size, early bearer, luxuriant grower, and most profitable to raise will be maintained and protected by the co-operation of the Monticello Nursery Company and the purchasers of all Mahan trees, for the general good of all purchasers. Therefore, in addition to the money considered I will also agree not to allow anyone either directly or indirectly to use the Mahan trees purchased from you or any wood or buds from the trees for propagating purposes nor will I myself use the Mahan trees or buds or wood from the trees for propagating purposes, before 1937. In the event that any part of this covenant is breached or violated, you or your assigns are to have the right to apply for and obtain injunction or other legal remedy from court of proper jurisdiction.

(Signed).....

Mail address.....

**IMPORTANT
NOTICE**

Conditions beyond our control force us to sell for CASH ONLY
REMIT BY POST OFFICE MONEY ORDER OR REGISTERED LETTER.
ALL CHECKS MUST BE CERTIFIED.

RUSSELL-HECKLE'S GREEN INK QUANTITY PRICE LIST No. 74 — January 20th, 1932

These prices cancel all previous quotations. Parcel Post: If you order from this list to come by Parcel Post, be sure to include money for postage. All prices on this Green Ink List are f.o.b. Memphis.

BEANS—Bush Lima

60 lbs. to bu. Catalogue Page 6.

	Gal.	Peck	Bu.
Burpee's Imp. Bush Lima	\$1.90	\$3.60	\$13.80
Fordhook Bush Lima	2.10	4.00	15.00
Henderson's Bush Lima	1.20	2.15	8.00
Never Fail Bush Lima	1.25	2.25	8.40

BEANS—Bush Green and Wax Pod

60 lbs. to bu. Catalogue Page 7.

	Gal.	Peck	Bu.
Black Valentine	\$0.95	\$1.85	\$7.20
Bountiful	.95	1.75	6.50
Burpee's Stringless Green Pod	1.00	1.90	7.25
Full Measure	.95	1.80	6.90
Giant Stringless Green Pod	.95	1.85	7.15
Imp. Early Red Valentine	1.25	2.25	8.50
Longfellow	1.20	2.15	8.00
Stringless Red Valentine	1.35	2.50	9.50
Tenn. Green Pod	1.20	2.15	8.40
Currie's Rust Proof Wax	1.20	2.15	8.40
Davis Wax	1.25	2.25	8.50
Improved Golden Wax	1.25	2.25	8.50
Pencil Pod Wax	1.10	2.00	7.50
Prolific Black Wax	1.10	2.00	7.50
Sure Crop Wax	1.25	2.25	8.25
Webber Wax	1.20	2.15	8.00

BEANS—Pole or Running

60 lbs. to bu. Catalogue Page 8.

	Gal.	Peck	Bu.
Kentucky Wonder or Old Homestead	\$1.20	\$2.20	\$8.15
McCaslan Pole	1.35	2.50	9.25
Red Speckled Cut Short	1.50	2.60	9.50
Scotia Striped Cornfield	1.20	2.15	8.00
Tennessee Wonder	1.40	2.65	9.75
White Creaseback or Fat Horse	1.35	2.50	9.00

BEANS—Pole, Butter or Lima

60 lbs. to bu. Catalogue Page 8.

	Gal.	Peck	Bu.
Carolina Sievc, Small Pole Butter	\$1.20	\$2.15	\$8.40
Calico or Florida Speckled	1.45	2.75	10.00
King of the Garden Lima	1.60	3.00	11.00
Large White Lima	1.60	3.00	11.00
R.-H. Co.'s Improved Butter	1.60	3.00	11.00

BEANS—Field or Shell

60 lbs. to bu. Catalogue Page 6.

	Gal.	Peck	Bu.
Great Northern	\$0.75	\$1.35	\$4.75
Red Kidney	1.15	2.00	7.50
White Navy or Pea Bean	.95	1.75	6.50

BEETS

Catalogue Page 9.

	I lb.	5 lbs.	10 lbs.
Crosby's Egyptian	\$0.45	\$1.75	\$3.25
Detroit Dark Red	.50	2.00	3.50
Early Blood Turnip	.40	1.50	2.75
Eclipse Blood Turnip	.45	1.75	3.25
R.-H. Co.'s Early Wonder	.50	2.00	3.50
R.-H. Co.'s Ideal	.60	2.25	4.00
Giant Feeding Sugar Beet	.35	1.50	2.75
Golden Tankard Mangel Beet	.35	1.50	2.75
Mam. Long Red Mangel Beet	.35	1.50	2.75

CABBAGE

Catalogue Page 10.

	1 lb.	5 lbs.	10 lbs.
Charleston Large Wakefield	\$1.25	\$5.50	\$10.00
Copenhagen Market	1.85	8.50	15.00
Early Jersey Wakefield	1.25	5.50	10.00
Early Flat Dutch	1.25	5.50	10.00
Early Summer	1.25	5.50	10.00
Golden Acre	3.00	13.75	22.00
Large Late Drumhead	1.25	5.50	10.00
Large Late Flat Dutch	1.25	5.50	10.00
Large Drumhead Savoy	1.50	6.00	11.00
Succession	1.25	5.50	10.00

CABBAGE PLANTS—Frost Proof

Catalogue Inside Back Cover Page.

	1000	5000	10000
Charleston Wakefield, Early Jersey Wakefield, Early Flat Dutch, prices f.o.b. Memphis	\$2.00	\$8.75	\$15.00
Prices f.o.b. Growing Station, any variety	1.50	6.00	10.00

CARROTS

Catalogue Page 11.

	1 lb.	5 lbs.	10 lbs.
Danver's Half Long	\$0.65	\$2.85	\$5.00
Half Long Scarlet	.65	2.85	5.00
Improved Long Orange	.65	2.85	5.00
Oxheart	.75	3.00	5.50
Yellow Belgian	.55	2.40	4.50
R.-H. Co.'s Coreless	1.00	4.25	7.50

COLLARDS

Catalogue Page 11.

	1 lb.	5 lbs.	10 lbs.
Georgia White Cabbage	\$0.60	\$2.25	\$3.75
Southern or Georgia	.60	2.25	3.75

CANTALOUPES OR MUSK MELON

Catalogue Page 18.

	½ lb.	1 lb.	5 lbs.
Acme or Baltimore	\$0.50	\$0.90	\$4.00
California Beauty	1.25	2.25	10.00
Hale's Best	.50	.90	4.00
Hearts of Gold	.50	.90	4.00
Lake Champlain	.75	1.25	5.00
Mammoth Rockyford	.60	1.00	4.50
Pink Meat Rockyford	.50	.90	4.00
Rockyford Select	.45	.80	3.50
Superfecto	.75	1.25	5.00
Tip Top Nutmeg	.50	.90	4.00

CORN—Garden

56 lbs. to bu. Catalogue Page 12.

	Gal.	Peck	Bu.
Early Large Adams	\$0.65	\$1.20	\$4.25
Elam's Early Market	.70	1.25	4.40
Extra Early Adams	.65	1.20	4.25
Improved Adams	.70	1.25	4.40
R.-H. Co.'s Early Surprise	.60	.95	3.25
Snowflake, Genuine	.60	.95	3.25
Trucker's Favorite	.55	.90	3.20

CORN—Sweet

Sold measure only. Catalogue Page 12.

	Gal.	Peck	Bu.
Country Gentleman	\$0.95	\$1.75	\$6.50
Golden Bantam	.80	1.55	5.90
Golden Sunshine	1.00	1.85	6.60
Howling Mob	.85	1.60	6.00
Mammoth Sugar	1.00	1.85	6.60
Stowell's Evergreen	.95	1.75	6.50
Whippell's Early Yellow	.95	1.75	6.50

CUCUMBERS

Catalogue Page 13.

	I lb.	5 lbs.	10 lbs.
Chicago Pickle	\$0.75	\$2.95	\$5.50
Davis Perfect	1.00	4.00	7.00
Early Fortune	1.00	4.00	7.00
Evergreen White Spine	.85	3.00	5.75
Improved Early White Spine	.75	2.95	5.50
Improved Long Green	.75	2.95	5.50
Stay Green	1.00	4.00	7.00

EGG PLANT—Endive

Catalogue Page 14.

	Oz.	¼ lb.	1 lb.
Black Beauty Egg Plant	\$0.35	\$1.10	\$3.95
New York Improved Purple Egg Plant	.35	1.10	3.95
Broad Leaved Endive	.15	.45	1.35
Large Green Curled Endive	.15	.35	1.15

KALE—Kohl Rabi—Leek

Catalogue Page 15.

CANNED MEAT—For Dogs and Puppies**Catalogue Page 69.**

Ken-L-Ration, case 48 1-lb. cans.....	\$5.95
Hem-O-Ration, case 48 1-lb. cans.....	6.00
Maro-Meat, case 18 2½-lb. cans.....	5.75
Miller's Canned Meat, case 18 2½-lb. cans.....	5.25
Miller's A-1 Quick Lunch, case 48 1-lb. cans.....	5.40
Pup-E-Ration, case 48 1-lb. cans.....	6.40
Kit-E-Ration, case 48 1-lb. cans.....	6.00

DOG FEED, DOG CAKES and BISCUITS**Catalogue Page 68.**

	25 lbs.	50 lbs.	100 lbs.
Champion Dog Biscuit.....	\$2.50	\$4.85	\$9.50
Champion Kibbled Biscuit.....	2.75	5.10	10.00
Champion Puppy Biscuit.....	2.75	5.10	10.00
Champion Puppy Meal.....	2.75	5.10	10.00
Miller's A-1 Dog Ration.....	1.50	2.75	5.25
Miller's A-1 Dog Biscuit.....	2.50	4.85	9.50
Miller's A-1 Kibbled Dog Biscuit.....	2.40	4.60	9.00
Miller's A-1 Puppy Meal.....	2.40	4.60	9.00
K.F.S. Kibbled Biscuit with Cod Liver Oil.....	2.50	4.85	9.50
Happy Dog and Puppy Food.....	1.15	2.25	4.25
Stafolife Dog Pellets.....	1.90	3.60	6.90

FERTILIZERS**Catalogue Pages 63-64.**

	100 lbs.	Ton
R.-H. Co.'s Acid Phosphate, 16%.....	\$1.25	\$19.00
R.-H. Co.'s Bone Meal Fertilizer, 22%.....	3.00	48.00
R.-H. Co.'s Good Luck Corn Fertilizer, 4-8-4.....	2.00	34.00
R.-H. Co.'s Good Luck Cotton Fertilizer, 4-8-4.....	2.00	34.00
R.-H. Co.'s Special Cotton Fertilizer, 5-10-3.....	2.00	33.00
R.-H. Co.'s Early Trucker, 4-8-4.....	2.00	34.00
R.-H. Co.'s Jax Fertilizer, 17-33-17.....	12.00	-----
R.-H. Co.'s Kainit, 20% Potash.....	1.50	25.00
R.-H. Co.'s Muriate of Potash, 48%.....	3.00	53.00
R.-H. Co.'s Nitrate of Soda, 15% Nitrogen.....	2.50	47.00
R.-H. Co.'s Sulphate of Ammonia, 16% Nitrogen.....	2.45	43.00
R.-H. Co.'s Calcium Nitrate, 15% Nitrogen.....	2.45	44.00
R.-H. Co.'s Cal-Nitro, 16% Nitrogen.....	2.50	45.00
R.-H. Co.'s Nitrophoska, 15-30-15.....	4.50	85.00
R.-H. Co.'s Nitrophoska, 10-20-20.....	4.00	75.00
R.-H. Co.'s Pulverized Sheep Manure.....	2.25	35.00
R.-H. Co.'s Agricultural Lime, 40 lb. bags, 75¢; 5 bags, \$3.25.		
R.-H. Co.'s Granulated Peat Moss, per bale, \$3.75.		
Vigoro, 25 lb. bag \$1.75; 50 lb. bag \$3.00; 100 lb. bag \$5.00		

HORSE, STOCK and POULTRY REMEDIES**Catalogue Pages 76-77-78-79.**

Dr. Hess Stock Tonic, 5 lb. size.....	Each..	\$0.75
Dr. Hess Stock Tonic, 10 lb. size.....	Each..	1.00
Dr. Hess Stock Tonic, 15 lb. size.....	Each..	2.00
Dr. Hess Stock Tonic, 25 lb. size.....	Each..	3.00
Legear's Stock Tonic, 1½ lb. size.....	Each..	.25
Legear's Stock Tonic, 8 lb. size.....	Each..	1.00
Legear's Stock Tonic, 25 lb. size.....	Each..	3.00
Pratt's Animal Regulator, 25 lb. pail.....	Each..	3.00
B. K. Disinfectant, qt. bottle, 90¢; gallon.....	Each..	2.00
Kow Kare for Cows Only, small can.....	Each..	.65
Kow Kare for Cows Only, large can.....	Each..	1.25
Sal-Vet Stock Medication, 3 lb. pkg.....	Each..	1.00
Sal-Vet Stock Medication, 7½ lb. pkg.....	Each..	2.00
Dr. Hess Panamin, 3 lb. pkg., each \$0.50; 7 lb. pkg., each.....	Each..	1.00
Dr. Hess Panamin, 15 lb. pkg., each 2.00; 25 lb. pkg., each.....	Each..	3.00
Legear's Poultry Prescription, 3½ lb. size.....	Each..	.50
Legear's Poultry Prescription, 8 lb. size.....	Each..	1.00
Germo Cholerine, 8 oz. bottles, each 30¢; 16 oz. bottles.....	Each..	.60
Nopec Cod Liver Oil, 2 qt. can, each \$1.15; 1 gal can, each \$2.25; 5 gal. can.....	Each..	9.50

POULTRY AND PIGEON FEEDS**Catalogue Pages 72-73-74.**

	25 lbs.	50 lbs.	100 lbs.
Conkey's Buttermilk Starter with Y. O.....	\$1.05	\$2.00	\$3.90
Conkey's Buttermilk Growing Mash with Y. O.....	.90	1.70	3.25
Conkey's Fine Chick Scratch Grain.....	.75	1.30	2.45
Conkey's Growing or Coarse Chick Grain.....	.70	1.20	2.20
Conkey's All-Mash Feed.....	1.00	1.90	3.60
Ful-O-Pep Chick Starter with Cod Liver Meal.....	.80	1.50	2.75
Ful-O-Pep Growing Mash with Cod Liver Meal.....	.80	1.50	2.75
Ful-O-Pep Fine Chick Scratch Grain.....	.75	1.30	2.45
Ful-O-Pep Growing or Coarse Chick Grain.....	.70	1.20	2.20
Ful-O-Pep Egg Mash with Cod Liver Meal.....	.75	1.30	2.45
Ful-O-Pep Hen Scratch Grain.....	.55	1.00	1.80
Ful-O-Pep Fattening Mash.....	.75	1.30	2.45
Ful-O-Pep Turkey Starter with Cod Liver Meal.....	.85	1.55	2.95
Stafolife Starting Mash with Buttermilk.....	.90	1.60	3.00
Stafolife Growing Mash with Buttermilk.....	.80	1.50	2.80
Stafolife Fine Chick Scratch Feed.....	.75	1.30	2.45
Stafolife Growing or Coarse Chick Grain.....	.60	1.10	2.00
Stafolife Egg Mash with Buttermilk.....	.75	1.30	2.45
Stafolife Hen Scratch Grain.....	.55	1.00	1.80
Stafolife All-Mash Feed.....	.90	1.60	3.00
Happy American Beauty Pigeon Feed.....	.95	1.80	3.45
Happy No. 2 Pigeon Feed without Corn.....	.90	1.65	3.15

OYSTER SHELLS, GRIT, ETC.**Catalogue Page 75.**

	10 lbs.	25 lbs.	100 lbs.
Bone Meal, Chick or Hen Size.....	\$0.50	\$1.00	\$3.25
Charcoal, Chick or Hen Size.....	.60	1.00	3.00
Grit, Chick or Hen Size.....	.25	.50	1.10
Oyster Shell, Chick or Hen Size.....	.25	.50	1.10
Red Cross Pigeon Grit, XX Grade.....	.40	.85	2.95

MISCELLANEOUS FEED**Catalogue Pages 73-75-79.**

	10 lbs.	25 lbs.	100 lbs.
Beef or Meat Scraps.....	\$0.45	\$0.75	\$2.50
Canada Field Peas.....	.75	1.75	5.75
Digester Tankage.....	.45	.75	2.50
Dried Buttermilk.....	.80	1.50	5.25
Dry Skim Milk.....	.90	1.75	6.00
Linseed Meal.....	.50	1.00	3.50
Rolled Oat Meal.....	.50	.95	3.25
Shumacker Calf Meal.....		1.15	4.00
Sunflower Seed.....	.80	1.50	4.50
Staf-O-Life Rabbit Pellets.....	.50	.90	2.90
Sunset Rabbit Mash.....	.50	.90	3.00
Dicapho 1 lb., 25¢; 5 lbs., \$1.00; 25 lbs., \$4.00.			
Semi-Solid Buttermilk, 5 gallon drum, \$3.00.			
Poultry Litter, per bale, \$3.75.			
Conkey's Y. O. Yeast and Cod Liver Oil, 5 lb., \$1.60; 25 lbs., \$6.50; 50 lbs., \$11.50; 100 lbs., \$19.50.			

RAT AND MOUSE DESTROYERS**Catalogue Page 70. These cannot be mailed.**

Cowley's Liquid Rat and Mouse Poison, bottle 50¢; 6 bottles.....	\$2.50
Mouse Seed, sure gets them, box, 25¢; 6 boxes.....	1.25
Red Cross Rat and Mouse Embalmer, can, 25¢, 50¢ and.....	1.00
Zelio for Rats and Mice, a Bayer Product. Tube.....	.50

FLY, ANT AND ROACH KILLERS**Catalogue Pages 59-79-80.**

Fly Tox, ½ pt. bottle, 35¢; 1 pt. bottle.....	\$0.50
Knock Out Fly Spray, 1 qt. can, 60¢; 1 gallon can.....	1.50
Red Star Roach and Ant Insecticide, qt., 75¢; gallon.....	2.00
Thousand Dollar Guaranteed Roach Killer, cans, 35¢; 65¢.....	1.25
Thousand Dollar Guaranteed Ant Bane, cans, 35¢.....	.65
Thousand Dollar Guaranteed Flea Killer, can.....	.50
Thousand Dollar Guaranteed Bed Bug Killer, cans, 35¢.....	.65

SPRAY PUMPS**Catalogue Pages 61-62.**

Hudson No. 110, Perfection Galv. Compressed Air Sprayer.....	Each...	\$6.00
Hudson No. 140-G, Junior Galv. Compressed Air Sprayer.....	Each...	4.50
Hudson No. 36-S, Sunshine Portable Sprayer.....	Each...	13.75
Hudson No. 32-S, Ideal Portable Sprayer.....	Each...	22.00
Hudson No. 4-A, Barrel Spray Pump.....	Each...	12.75
Myer's No. 2296, Compressed Air Sprayer.....	Each...	4.00
Myer's No. R336-B, Portable Sprayer.....	Each...	21.00
Myer's No. R305-B, Barrel Spray Pump.....	Each...	12.00
Myer's No. R325, Bucket Spray Pump.....	Each...	3.50
Myer's No. R330, Galv. Knapsack Sprayer.....	Each...	9.75
Myer's No. R318-B, Barrel Spray Pump.....	Each...	12.80

SPRAY MATERIAL AND INSECTICIDES**Catalogue Pages 58-59-60.**

Arsenate of Lead, case 12 4-lb. bags, 48 lbs.....		\$7.75
Bordeaux Dry Powder, case 8 4-lb. pkgs., 32 lbs.....		4.50
Bordeaux Dry Powder, 25 lb. carton.....		3.25
Bug Death, 12½ lbs., \$2.00; 100 lbs.....		14.25
Blue Stone Crystals, 10 lbs., \$1.00; 100 lbs.....		8.25
Calcium Arsenate, 100 lb. drum.....		7.50
Champion Tree Killer, 5 gallon drum.....		6.00
Copper Sulphate Solution, 1 gallon can.....		3.00
Crewood Oil, 5 gallons, \$2.50; 10 gallons.....		4.50
Dritomac Sulphur, case 12 4-lb. pkgs., 48 lbs.....		5.75
Kayso Spreader, 10 lbs., \$2.25; 100 lbs.....		17.00
Lime Sulphur Dry, 12½ lb. bag, \$1.75; 25 lb., \$3.50; 100 lbs.....		11.00
Lime Sulphur Solution, 5 gallon can, \$2.25; 10 gallon can.....		4.25
Lime Sulphur Solution, 30 gallon drum, \$9.60; 50 gallon drum.....		11.00
Oil Emulsion Solution, 5 gallon can, \$2.25; 10 gallon can.....		4.25
Oil Emulsion Solution, 30 gallon drum, \$9.60; 50 gallon drum.....		13.00
Paradichlorobenzene, 5 lb. can, \$2.00; 25 lb. drum, \$6.75; 100 lb. drum.....		23.00
Peach Mix for Brown Rot on Peaches, 10		

SEASON 1932

With a most favorable season the past year, all crops have yielded bountifully. Therefore we must continue to grow crops both for our own consumption and for stock. Continue the good work—then better times will soon come. Raise what you eat—it will help to tide us over during these times. You can help to end the present condition by growing your food and feed crops.

If we can be of any service to our friends and customers on the growing of all farm crops, don't hesitate to call on us and we will gladly give you our experience of more than 50 years in the planting of all seeds in this territory.

We now take this opportunity of thanking our many customers for their patronage in the past. All prices the coming season will be most reasonable. Send us a list of your requirements, stating quantities you will want, and we'll be glad to make you our lowest prices. Assuring you of the right treatment at all times and soliciting your orders the coming year, which will have our personal attention, we remain,

Yours truly,

RUSSELL-HECKLE SEED COMPANY.

J. T. Russell Chas. E. Heckle

Wholesale Warehouse: Linden Station.

Sales Department: 26 S. Front St.

POSTAGE

We pay postage wherever the word "Postpaid" appears. Otherwise, prices are f. o. b. Memphis, buyer to pay freight, express or postage charges.

CASH WITH ORDER

Please send money to cover the whole order, using Money Order, Bank Draft, Express Order or Registered Letter.

PRICES

The prices we quote on vegetables and flower seeds will hold good as long as stocks last. The prices on all farm seeds, grain, etc., are those ruling January 10, 1932, and are subject to market changes. As far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

NON-WARRANTY

Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productiveness of any seeds, plants, bulbs or nursery stock they send out, and they will not be in any way responsible for the crop.

IN EXPLANATION

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow planting, etc., all causes beyond our control; therefore it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

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TOP NOTCH QUALITY

Vegetable Seeds

SEEDS for
MARKET GARDENERS

ASPARAGUS

CULTURE — Sow outdoors in February and March in 18-inch rows, dropping two seeds every 6 inches, cover seeds 1 inch. One ounce will sow 50 feet of row and produce two hundred plants.

Palmetto A very early maturing and prolific variety, producing an abundance of very large, deep green shoots of the best quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c, postpaid.

Mary Washington
The New Giant Rust-proof Asparagus. It grows very large and being rust-proof makes it a very valuable variety for both home use and market. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Mary Washington Asparagus Roots

Asparagus Roots thrive best in soil exceptionally rich and mellow and supplied with a liberal amount of humus. A simple way to start the Asparagus bed is to plow furrows 7 inches deep and in the trench, allowing 12 to 18 inches between them; spread the roots out well and cover with two inches of soil. After cultivation, gradually fill up the trench, eventually burying the crowns of the plants to a depth of 6 inches.

Prices: Strong roots, doz., 40c; 50 \$1.20; 100 \$2.25; postpaid. Not prepaid, doz. 30c; 50 \$1.00; 100 \$2.00; 1,000 \$12.50.



Mary Washington Asparagus

ARTICHOKE

Large, Green Globe Bears large flower heads, which are prepared for eating the same as asparagus. Set in rows 4 feet apart and set plants 2 feet apart in the rows. The plants, when mulched, will live through the winter. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; postpaid.

Artichoke (Jerusalem) Excellent for fattening hogs. Plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in rows; immensely productive. Three bushels will plant an acre. Qt. 35c; 4 qts. \$1.00; postpaid.

BROCCOLI

Similar to Cauliflower and is prepared for the table in the same way. The seed should be sown and cared for in the same way as cabbage or cauliflower.

Green Sprouting The Italian Strain. An all seasons variety that comes into use about ninety days after planting. If started in hot bed April first, will be ready for use the first week in July. It is much less susceptible to weather changes than cauliflower and will produce heads in hot weather which would cause failure in cauliflower. Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; postpaid.

BRUSSELS SPROUTS

An erect-growing plant whose stalk is closely covered with light green buds resembling small cabbages, which should be cooked in the same manner as cabbage or cauliflower. Seed may be sown early in May; later the plants may be set about 2 feet apart and cultivated like cabbage. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; postpaid.

BEANS — BUSH — LIMA

One quart will plant 200 feet of drill



CULTURE — Plant in May in light rich soil, in drills two feet apart, dropping the seed about one foot apart in the row, and cover two inches.

Burpee's Improved Bush Lima

Plants make perfect bushes from 18 inches to 2 feet high. Pods are large and contain beans of the best quality. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 40c; qt. 70c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c.

Fordhook Bush Lima Handsome large pods and beans. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 45c; qt. 85c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 40c; qt. 75c.

Never Fail Bush Lima Beans This is the most productive of the Bush Limas. It is of true bush form, about 2 feet high, bearing in greatest profusion, broad, flat pods, each having from three to five medium-sized, handsomely speckled beans. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

OUR SPECIAL DISCOUNTS

On all cash orders for garden and flower seeds at catalog prices, we will allow the following special discount:

For \$1.00, select seeds in packets, 1 oz., $\frac{1}{4}$ lb., 1 lb., $\frac{1}{2}$ pint, 1 pint, 1 quart, to the value of \$1.20.

For \$2.00, select seeds in packets, 1 oz., $\frac{1}{4}$ lb., 1 lb., $\frac{1}{2}$ pint, 1 pint, 1 quart, to the value of \$2.50.

For \$3.00, select seeds in packets, 1 oz., $\frac{1}{4}$ lb., 1 lb., $\frac{1}{2}$ pint, 1 pint, 1 quart, to the value of \$3.75.

And remember we pay postage.

Henderson's Bush Lima

Valuable on account of its earliness and productivity. Pods short, flat, with three small beans of delicious quality. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Shell Beans These are grown to use as dried beans during the winter. Plant in May and June, using 15 to 20 pounds to the acre. Plant in 4-foot rows and cultivate well. One pound drills 150 to 200 feet of row.

Robust Pea Bean or Improv'd White Navy

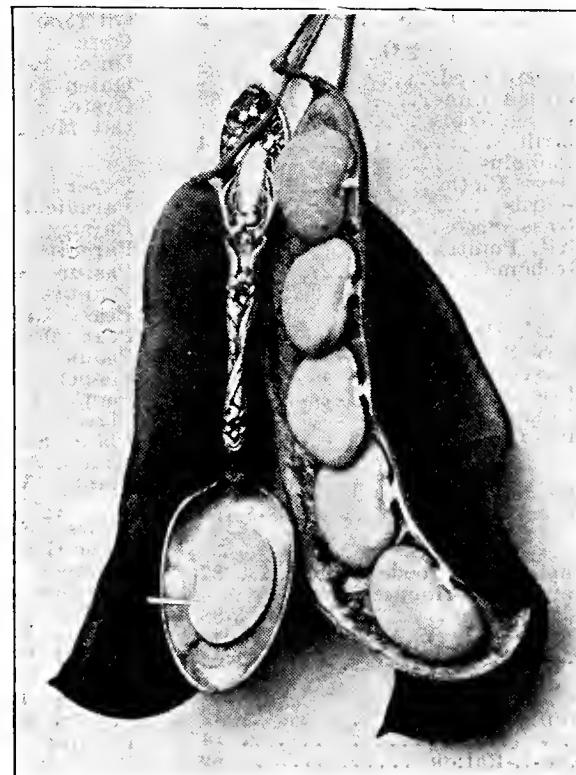
An improvement over the popular small white baking beans. One of the grandest beans for farm crop. Price, 1 lb. 25c, postpaid.

Great Northern Beans

Well suited to heavy soils. Beans slightly larger than the Navy Bean; snow white and of splendid cooking quality. Price, 1 lb. 25c, postpaid.

Red Kidney Beans

The good old-fashioned cooking bean. Large size and of good flavor. Price, 1 lb. 25c, postpaid.



Henderson Bush Lima

BUSH OR SNAP BEANS

CULTURE—These can be planted any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows $2\frac{1}{2}$ to 3 feet apart. One quart will sow 200 feet of row.

All of our Beans are carefully grown and will please the most critical market gardeners. It will also pay you to inoculate Beans with R.-H. Co.'s inoculation and fertilize with sheep manure. Dust when in blossom with slug shot for beetles.

DWARF GREEN-PODDED VARIETIES

Black Valentine Suited for both early and late planting. This variety is ready for table use in about 42 days from the time of planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c.

Bountiful This is a variety that is exceedingly popular, especially with commercial truckers along the gulf coast. The pods are green in color and are of large size; thick, broad, flat, extra long, very uniform in shape, solid, meaty and of high quality. The pods are absolutely stringless and are ready for table use in about 44 days after planting. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c.

Burpee's Stringless Green-Pod This variety is a favorite with a large number of truckers and gardeners in the South, and is also grown for canning purposes. It is one of the finest green-pod bush beans in existence. The pods are medium green, five to six inches long, cylindrical, and are quite fleshy and remain crisp and tender for some time. This variety is very productive, and the pods are absolutely stringless. This variety is ready for picking in 42 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Full Measure A fine medium early stringless green-pod bean of splendid quality. The pods are round, fairly straight and meaty. This variety matures in approximately 47 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 55c.

Improved Red Valentine This is another variety that is planted largely by truckers and gardeners for shipment to Northern markets. The plants are of medium size with dark green leaves. The pods are of medium length, about five inches long, medium green color, curved, cylindrical and very crisp and tender. This variety is ready for picking in 44 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c.



Black Valentine Bush Beans



Burpee's Stringless Green-Pod Bush Beans

Longfellow The pods are of fine quality, nearly stringless and from seven to eight inches long; straight and round. This variety is very prolific and is ready for table use in about 46 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Tennessee Green-Pod This is a very hardy bean and a good yielder of large, very flat pods, six to seven inches long, dark green color and excellent flavor. This variety is planted very extensively in the South, and bears edible pods in about 43 days. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Stringless Early Red Valentine At last a sure, genuine stringless Red Valentine Bush Bean. The round, green pods are fleshy, tender and entirely stringless. A very productive variety, one that also has the quality. Our trials of this new Stringless Valentine Bean in the past season were highly satisfactory. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 40c; qt. 70c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c.

Giant Stringless Green-Pod

This is a very desirable green-podded variety for the home garden and also for truckers. The handsome round pods are six to seven inches long, dark green in color, brittle and perfectly stringless. It is one of the most productive sorts and can be picked in one-third the time of any other variety. This variety has achieved much popularity in Southern states, where it is grown on a large commercial scale for shipment to Northern markets. It is not quite as early as Burpee Stringless, as it is ready for picking in 44 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

QUANTITY PRICES—For gallon, peck and bushel prices, see Green Ink List enclosed.

DWARF WAX-POD OR YELLOW VARIETIES

Currie's Rust-Proof Wax Pods light yellow, similar in shape to Golden Wax. Five and one-half to six inches. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Davis White Kidney Wax This is a well known market sort, much used for shipping. The plants are very hardy and productive and the variety is very desirable where a wax-podded, white-seeded sort is wanted. The pods are long, about six inches, sometimes longer. They are handsome, light yellow, straight, and when young are crisp and tender. The dry beans are excellent for baking. Seed medium large, kidney shaped. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c.

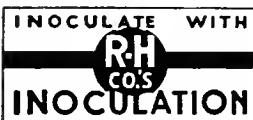
Improved Golden Wax This is probably one of the most popular of the wax variety. Pods are from four to five inches long, very stout, straight, or slightly curved, and oval in form. Edible in about 42 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Pencil Pod Wax Very early and productive, pods large and round, five to six inches long, strictly stringless, very brittle and of excellent quality. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Prolific Black Wax The pods are round, about five inches long, fleshy, brittle and stringless. They are a deep yellow in color and very attractive. Ready for table use in about 43 days after planting. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

Sure Crop Wax A recent introduction similar to Currie's Rust-Proof. Pods are longer, thicker through and entirely stringless. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c.

Webber Wax Of recent introduction, very early and productive. The plants are strong-growing and bear their pods well up from the ground, which are of a rich golden color, tender, brittle and absolutely stringless. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c.



POLE OR RUNNING BEANS

CULTURE—Plant in May and June in rows four feet each way; five in a hill. Pole beans can be planted as late as August 1st and they will bear a good crop. They can be planted in corn as well as with poles. One quart will plant about 200 hills. One peck will plant an acre.

Kentucky Wonder or Old Homestead

It is almost needless to say anything about this great Pole Bean, for who has not grown it? It bears in 65 days from planting; should be kept picked, so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 50c.

McCaslan Pole Bean

Pods average 8 to 10 inches in length, are flat, slightly curved and of a rich green color. Makes an excellent snap bean, and the white-shelled beans are unsurpassed for winter use. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 50c.

Red Speckled Cut Short

Plant in corn or on poles. It is hardy, late and is a heavy yielder. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 50c.

R.-H. Co.'s Prizewinner Cornfield or Running Bean

Here is what you have been looking for—a sure enough running and cornfield snap-bean that is very tender, cooks fine and if you wish, leave them to dry. The white beans cook soft and quickly; they are almost a meal by themselves; just the bean you want for baking. Plant them in the corn; they will give you green beans all summer, and then the dry ones can be saved for winter. This is our own special stock of a white cornfield bean. You will find it a wonderful variety. Postpaid, packet 10c; $\frac{1}{2}$ pt. 25c; pt. 45c; qt. 70c. Not postpaid, $\frac{1}{2}$ pt. 20c; pt. 40c; qt. 60c.



Kentucky Wonder Pole

QUANTITY PRICES—FOR QUANTITY PRICES ON BEANS, SEE GREEN INK LIST ENCLOSED

POLE BUTTER AND LIMA BEANS

CULTURE—Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than Bush Beans and should not be planted before May. They can be planted as late as July 15th.

Carolina or Sieva This very early and reliable small-seeded Pole Butter Bean is especially adapted for planting in the South. The pods are dark green, short, about three inches, curved flat. Seed small, flat, white with slight tinge of yellow. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 50c.

Florida or Speckled Calico Butter The best variety for bearing early in the season. It will make an abundant crop when others fail. Seeds of the Carolina or Sieva Lima size, but are speckled white and brownish-red. A dependable, prolific, small-seeded lima that is well adapted for the South. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 50c.

King of the Garden Lima The vines of this standard pole lima are very vigorous and productive. The pods are medium dark green, very large, five to six inches long, broad, flat, filled with four or five very large white beans of finest quality. On account of its large pods it is a favorite with market gardeners. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 55c.

Large White Lima Pods borne in clusters are broad, very thin, dark green; seed large, flat, greenish-white. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 50c.

R.-H. Co.'s Improved Butter A Southern grown small white-podded variety, a little larger than the Carolina or Sieva. A strong grower, very prolific and especially well adapted for our Southern States. A profitable variety for market gardeners. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 35c; qt. 65c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 55c.

BIG BARGAIN BEAN COLLECTION Only \$1.20, Parcel Post Paid

$\frac{1}{2}$ pint Burpee's Stringless Green Pod Bush Beans.....	Regular value \$.20
$\frac{1}{2}$ pint Giant Stringless Green Pod Bush Beans.....	Regular value .20
$\frac{1}{2}$ pint Improved Early Red Valentine Bush Beans.....	Regular value .20
$\frac{1}{2}$ pint Henderson's Bush Butter Beans.....	Regular value .20
$\frac{1}{2}$ pint Sure Crop Wax Bush Beans.....	Regular value .25
$\frac{1}{2}$ pint Kentucky Wonder Pole or Running Beans.....	Regular value .20
$\frac{1}{2}$ pint Scotia or Striped Creaseback Cornfield Beans.....	Regular value .20
$\frac{1}{2}$ pint Carolina or Small White Pole Lima Beans.....	Regular value .20

\$1.65

Florida or
Speckled Calico

Mailed to your address for only \$1.20

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

RUSSELL-HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

GARDEN BEETS

CULTURE—For very early crop, sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills two to three feet apart. Use a light, clean, free, deep soil. One ounce will sow 50 feet of drill.

Crosby's Early Egyptian

Beet Improved strain of the famous Early Egyptian, but producing a deeper or thicker root; of fine form, extremely early, deep red color, almost black; flesh sweet, smooth, tender and of exceptionally fine quality; can be depended on for best results when grown either in the garden or under glass; highly recommended as an early market variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 55c; postpaid.

Detroit Dark Red Beet

This splendid second early variety we highly recommend for market and private gardens. Roots globular, very smooth, with short tops; skin blood-red, flesh dark blood-red, sweet, tender and delicious. The tops are small and upright in growth. Fine for market bunching. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c; postpaid.

Early Blood Turnip

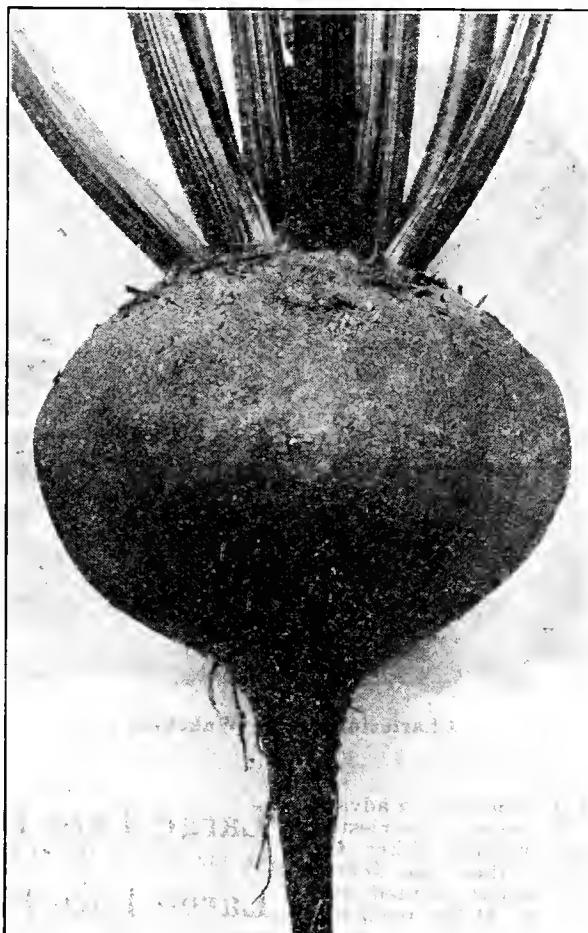
It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized, round, of dark-red color and fine flavor. Matures in about 45 days. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c; postpaid.

R.-H. Co.'s Early Wonder

The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co.'s Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome globe-shaped beet on the market. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 60c; postpaid.

BIG BEET COLLECTION

One ounce packet of each of the following varieties for only 35c, Parcel Post Paid: Crosby's Egyptian, Detroit Dark Red, R.-H. Co.'s Early Wonder, Early Blood Turnip, Swiss Chard.



Crosby's Early Egyptian

Beet Plants

1,000 \$3.00. By express,

Edmand's Early Blood

Turnip A handsome, clean, turnip-shaped Blood Beet. Skin and flesh are of a deep blood-red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. The roots grow regular and are of right marketable size. Tops are small, allowing them to be grown close together. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; postpaid.

Eclipse Blood Turnip

An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top-shaped, with a small tap and small collar. The flesh is bright red, zoned with pinkish-white, very sweet, crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; postpaid.

R.-H. Co.'s Ideal

A most desirable beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The tops are small and upright in growth. The leaves are dark green, shaded with red. The roots are medium sized, globular or nearly round, very smooth and of dark blood-red color. The flesh is deep vermillion red, zoned with a lighter shade of the same color. The variety is very desirable for bunching. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 70c; postpaid.

Long Smooth Blood A standard late variety, keeping well through the winter. The root is long, and skin smooth. Flesh very dark red, sweet and tender. The roots are thick-shouldered, grow largely under ground, are, when mature, about 2 inches in diameter and 10 inches long. They are ready for the table in about 60 days. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c; postpaid.

Crosby's Egyptian

Ready about March 1st.

Prices: Parcel post paid, 100 45c; 500 \$1.75; not prepaid, 100 35c; 500 \$1.50; 1,000 \$2.50.

STOCK BEETS OR MANGELS

CULTURE—Deep soil produces the largest crops. Sow in rows 18 inches to 2 feet apart, 1 inch deep, and when the plants are 3 to 4 inches high they should be thinned out 6 or 8 inches apart. Transplant when the ground is moist, pinch off the leaves about 2 inches above the root, and set the plants into the soil up to the crown. Mangels make excellent feed for stock of all kinds.

Golden Tankard Mangel

Yields enormous crops; very rich in sugar; skin and flesh deep orange-yellow; oblong in shape. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c; postpaid.

Mammoth Long Red Mangel

Grows to an enormous size in deep, rich soil; is an excellent keeper. Various reports from our customers who have grown it show yields of 1,400 to 2,000 bushels per acre. Close-grained, tender flesh of rich flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c; postpaid.

Giant Half Sugar Mangel

Desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having higher nutritive value, being especially rich in sugar. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c; postpaid.

Facts About Mangel and Sugar Beets

They make fine feed for cattle and hogs; they increase the milk flow of dairy cows, and also good for poultry. They yield larger crops than Rutabagas, make surer yield. Plant on any deep, rich soil. The results will surprise you.



Mammoth Long Red Mangel

R.-H. Co.'s Early Wonder

FOR QUANTITY PRICES:

SEE GREEN INK PRICE LIST ENCLOSED

CABBAGE

CULTURE—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hotbed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants; an ounce 2,000 plants; $\frac{1}{4}$ pound for an acre. Set plants $1\frac{1}{2}$ by 3 feet apart.

All Seasons One of the largest and a thoroughly satisfactory second earliest. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Large Drumhead Savoy The best and largest heading of the Savoy. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75; postpaid.

Early Drumhead One of the best second early varieties; large, deep heads; solid. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.35; postpaid.

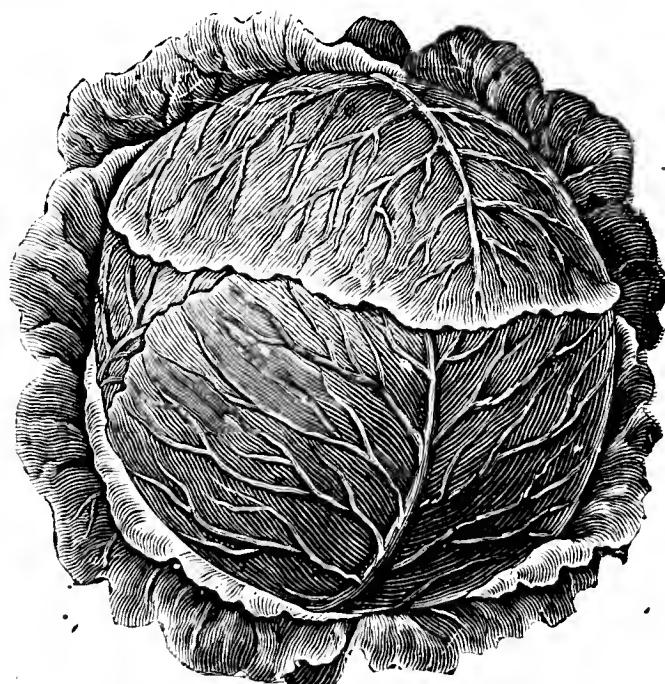
Early Flat Dutch It is a large cropper and a dependable header. Belongs to the second earliest. Matures in about 110 days. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

Charleston or Large Wakefield The one big advantage of Charleston is the greater size, where large-sized cabbage are wanted either for market or private use. It is fully one-third larger than the Jersey Wakefield and therefore more popular. Heads are solid, pointed and is a heavy yielder. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

New Golden Acre A very fine new cabbage from Denmark. Golden Acre produces heads a week to ten days ahead of Copenhagen Market. The head is of medium size, quite round, and is surrounded by a few small outer leaves. Price Genuine Long Island Grown Seed: Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.75; postpaid.



Charleston Large Wakefield



New Golden Acre

Frost-Proof Cabbage Plants

Frost-Proof Cabbage Plants should be set out 4 to 6 weeks earlier than home-grown plants. They will mature fine hard heads three weeks before hotbed plants.

Varieties: Jersey Wakefield, Charleston Large Wakefield, and Early Flat Dutch.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Prices: Parcel post paid, 100, 35c; 500, \$1.25; 1,000, \$2.25.

Not prepaid by express, from Memphis, 500, \$1.00; 1,000, \$2.00.

Prices F. O. B. growing station, express collect: 1,000, \$1.50; 5,000, \$6.00; 10,000, \$10.00. Subject to crop conditions.

Copenhagen Market

One of the earliest round head or flat cabbages. Almost as quick maturing as Charleston Wakefield. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.

Early Jersey Wakefield In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

Early Summer Solid round head; comes in just after Wakefield; pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

Fertilize Cabbage with Nitrophoska—

The 15-30-15 Plant Food. It will hurry them for the market. Nitrophoska contains as much nitrogen as nitrate of soda, and besides it has 30 per cent phosphate and 15 per cent potash. It's a wizard when it comes to making big crops. See Green Ink List for prices.

Large Late Drumhead

$\frac{1}{4}$ lb. 50c; 1 lb. \$1.40; postpaid.

Large Late Flat Dutch

Sure header, producing large, solid heads, flat on top, of low growing habit. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.40; postpaid.

Mammoth Red Rock

The largest and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity and deep red color. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50; postpaid.

R.-H. Co.'s Early Peerless

An extremely early variety, maturing a head of Golden Acre. Especially recommended for the market grower and shipper. The heads are round, solid and of excellent quality. The plants are compact, with few outer leaves. The leaves are thick and smooth and of medium light green color. Our strain of this variety is of superior quality in earliness and uniformity of size, shape and time of maturity. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$4.75; postpaid.

R.-H. Co.'s Eureka

This valuable variety is as early as Large Wakefield, produces fine solid, flat heads in 75 to 80 days from sowing the seed. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$4.75; postpaid.

Succession

A splendid sort, whether grown for medium early, midsummer or the late crop, and keeps well for winter use. Heads deep and solid, slightly flattened and of the finest quality. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.



Pe-tsai Chinese Cabbage

Pe-tsai (Chinese or Celery Cabbage)

Has a mild cabbage flavor, very delicate and very fine salad. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage. The culture is the same as for cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height, thin to 10 inches apart. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.25; postpaid.

FOR CABBAGE WORMS USE BUG DEATH

A non-poisonous, effective insecticide. 1-lb. pkg. 25c; 5-lb. pkg. \$1.00; 12½-lb. pkg. \$2.00. By parcel post, 1 lb. 30c; 5 lbs. \$1.20.



Danver's Half Long Carrot

CARROTS

CULTURE—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand five inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; four pounds to the acre.

Danver's Half Long Rich, light orange colored, good quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 75c; postpaid.

Early Scarlet Horn Very early, rather blunt-rooted; color orange-red. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 80c; postpaid.

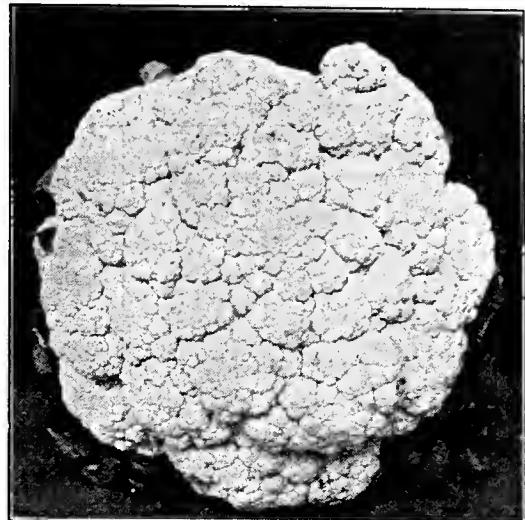
Half-Long Scarlet or Chantenay One of the best for home or market. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 75c; postpaid.

Improved Long Orange Long and tapering; deep orange. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 75c; postpaid.

Oxheart A short, chunky, early variety as thick through as it is long. Especially adapted for hard, stiff soil where longer varieties would not thrive. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 85c; postpaid.

CAULIFLOWER

CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants.



Early Snowball Cauliflower

Dry Weather Adapted for growing in dry locations when other varieties fail. It produces large, solid heads. Pkt. 10c; oz. \$1.25; $\frac{1}{4}$ lb. \$3.50; postpaid.

Early Snowball An extra early variety. A sure header; large, solid, perfectly white and good quality. Pkt. 10c; oz. \$1.25; $\frac{1}{4}$ lb. \$3.75; postpaid.

CAULIFLOWER PLANTS

Early Snowball, ready about March 10th. Postpaid, 25, 50c; 100 \$1.25. Not prepaid, 25, 30c; 100, \$1.00.

COLLARDS

CULTURE—One ounce of seed will produce about 2,000 plants. Sow in spring or summer. Use same methods as for Cabbage; either sow in seed beds or in the row where desired to stand. If sown in rows, thin out as desired.

Georgia White Cabbage Called Cabbage Collard, on account of its close, bunching growth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 70c; postpaid.

North Carolina Buncombe Large spreading leaves; very hardy; good flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 75c; postpaid.

Southern, or Georgia This variety is the old-time variety, and is by far the best; stands most any conditions, being very hardy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 70c; postpaid.

CHICORY

Sow in April and transplant in trenches 1 foot deep. Valuable as a salad as well as a vegetable.

Magdeburg Used for the roots. Cut in slices and dried makes substitute for coffee. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; postpaid.

Witloof Used for the top. Also called French Endive. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 85c; postpaid.

Chives A hardy perennial. Sow seed in March or April, thinly in 2-foot rows. Grows quickly, but will not give much of a cutting until the second year. Chives are commonly called Schnittlauch, are used for seasoning and with cottage cheese. Pkt. 10c; oz. 60c.

CORN SALAD OR FETTICUS

One ounce will sow about 18 square feet. Sow in September or October. Large, round-leaved. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25; postpaid.

Cress, or Pepper Grass One ounce will sow about 15 square feet. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.00; postpaid.

BUG KILLERS

Refer to pages 58 and 59 for prices on all kinds of Insecticides and Bug Killers.



Golden Plume Celery

tant markets and also for the home garden. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50; postpaid.

Golden Self-Blanching Early, large, crisp, solid, good flavor. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50; postpaid.

Henderson's White Plume One of the best for early use; good quality; blanches easily. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c; 1 lb. \$2.25; postpaid.

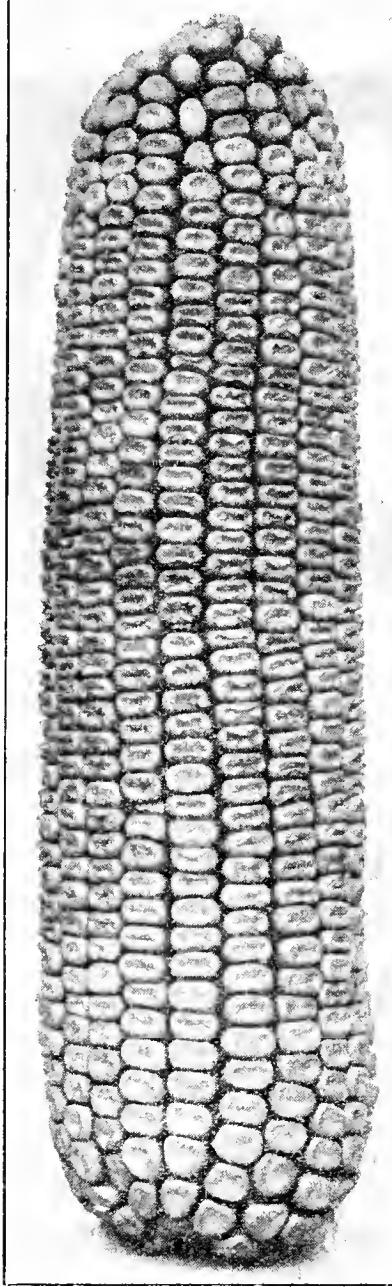
CELERY PLANTS

Varieties: Giant Pascal; Henderson's White Plume. Ready about April 1st. Price, postpaid, 25, 25c; 100, 60c. Not prepaid, 25, 20c; 100, 50c.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

GARDEN AND SWEET CORN

CULTURE—For early market, plant the garden varieties latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. Treat seeds with Semesan, Jr.



R.-H. Co.'s Early Surprise

R.-H. Co.'s Early Surprise A splendid corn, coming in directly after Adams Early, but much larger. Has a white, soft grain. Postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c. Not prepaid, $\frac{1}{2}$ pt. 10c; pt. 20c; qt. 35c.

Golden Bantam Extra early, sweet, tender and delicious. The stalks grow to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

Golden Sunshine Also an early variety of the Golden Bantam type, growing from 5 to $5\frac{1}{2}$ feet high and producing ears 7 to 8 inches long, with sweet, luscious yellow grains; matures 3 to 4 days later than Golden Bantam. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

Howling Mob One of the finest second early, large-eared sorts; ears 9 to 10 inches long. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

Mammoth Sugar The Mammoth ears are thick through, with many rows of large grains of excellent quality. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

Whippell's Early Yellow An extra early yellow Sugar Corn. Larger and earlier than Golden Bantam. Stalks grow 5 to 6 feet, and many produce two large ears. Kernels bright yellow, tender, sweet and finest quality. Whippell's Early Yellow Sugar Corn is ready for the table in about seven weeks. Postpaid, $\frac{1}{2}$ pt. 25c; pt. 35c; qt. 60c. Not prepaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c.

Borden's Wonder Bantam Sweet Corn

A selection from Golden Bantam, being larger and superior in every way. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 55c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 30c; qt. 45c.

Country Gentleman Small cob; long, slender, white grains, which are very sweet. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

Early Large Adams About a week later than Extra Early; has larger ears. Postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c. Not prepaid, $\frac{1}{2}$ pt. 10c; pt. 20c; qt. 35c.

Extra Early Adams Not a Sugar Corn, but is grown for early use. Ears short. Postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c. Not prepaid, $\frac{1}{2}$ pt. 10c; pt. 20c; qt. 35c.

Improved Adams A fine variety, slightly larger than Early Adams. One week later. Postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c. Not prepaid, $\frac{1}{2}$ pt. 10c; pt. 20c; qt. 35c.

Early Snow Flake Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. Postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c. Not prepaid, $\frac{1}{2}$ pt. 10c; pt. 20c; qt. 35c.

Elam's Early Market This corn is positively one of the earliest of the very large-eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

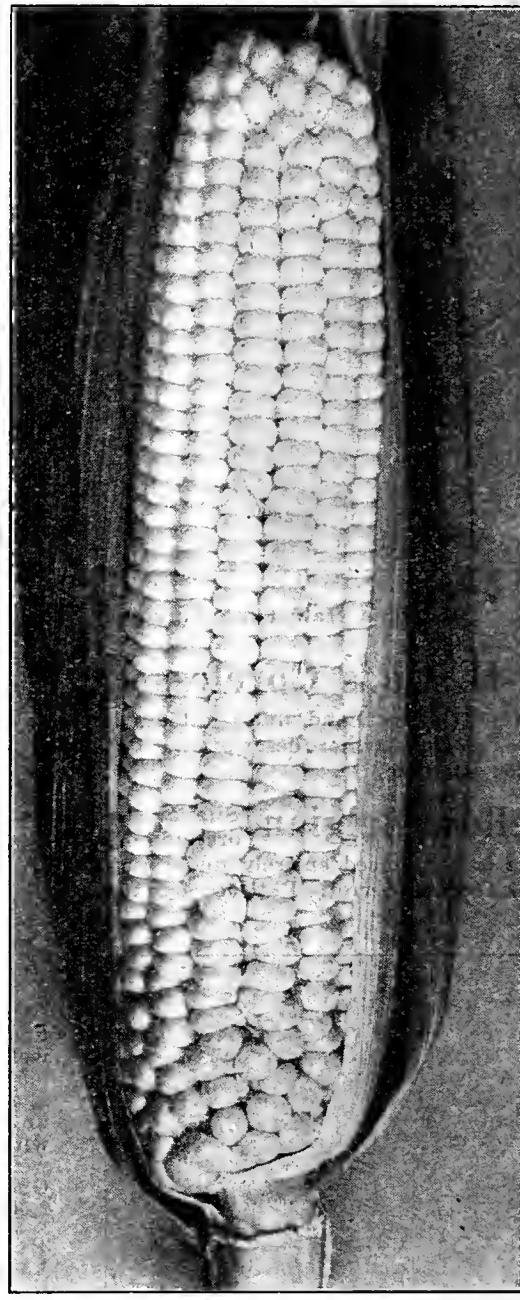
GARDEN CORN COLLECTION

Only \$1.00, Parcel Post Paid

1 pint Whippell's Early Yellow.....	Value \$.35
1 pint R.-H. Co.'s Early Surprise.....	Value .25
1 pint Country Gentleman	Value .30
1 pint Stowell's Evergreen	Value .30
1 pint Mammoth Sugar	Value .30

Total—Regular value..... \$1.50

Specially priced for \$1.00, Parcel Post Paid



Stowell's Evergreen

Stowell's Evergreen The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18-rowed, with deep, sweet grain. Postpaid, $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c. Not prepaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c.

Trucker's Favorite For a second early corn to follow Adams Early, or for late planting to mature early, this is a good sort. Postpaid, $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c. Not prepaid, $\frac{1}{2}$ pt. 10c; pt. 20c; qt. 35c.

R.-H. Co.'s POPCORN

AUSTRALIAN DYNAMITE POPCORN—A new variety, seed considerably larger than other sorts, but oh, my! how it does pop. A dozen grains when popped will fill a teacup; one grain popped is as large as a quarter of a dollar, and it's also of fine eating quality. Pkt. 10c; $\frac{1}{2}$ lb. 25c; 1 lb. 40c; postpaid. Not prepaid, $\frac{1}{2}$ lb. 20c; 1 lb. 30c.

JAPANESE RICE—Also called Little Buster. Popping qualities unexcelled; quality corn and tender. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; postpaid. Not prepaid, $\frac{1}{2}$ lb. 15c; 1 lb. 25c.

WHITE RICE—Very easily popped, tender and white. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; postpaid. Not prepaid, $\frac{1}{2}$ lb. 10c; 1 lb. 15c.

QUEEN'S GOLDEN—A beautiful golden color; pops large, very crisp. Pkt. 15c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; postpaid. Not prepaid, $\frac{1}{2}$ lb. 15c; 1 lb. 25c.

Treat Garden Corn With Semesan Jr. Permits earlier planting, gives better germination, better stands, therefore larger yields.

Apply dry to the seed; no special equipment is needed for this new seed treatment. Costs less than 7c an acre, guaranteed; increases the yield from 10 to 12 per cent. If it doesn't your money will be refunded.

Four-ounce pkg. 50c; 1 lb. pkg. \$1.75; 5 lbs. \$8.00; not mailable.

CUCUMBERS

CULTURE—For very early crop, plant in hotbeds; for later crop, plant from April to July in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

Improved Early White Spine An improved strain of the white spine; good for forcing or outdoors. One of the best sorts for table use. The flesh is crisp and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Chicago Pickling Fine for market gardeners. Medium length, pointed at each end; has large spines, deep green, very prolific. Good for pickling. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Davis Perfect Possesses all the merits of the best slicing varieties. Their handsome shape and fine dark green color command the highest price of the market. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.15; postpaid.

Early Fortune One of the best selections of the white spine type; is becoming very popular among the market men of the South. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.15; postpaid.

Early Green Cluster A very popular early cucumber, producing its fruit in small clusters. Average length is about 5 inches; skin prickly. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 85c; postpaid.

Evergreen White Spine An extra early, white spine strain, producing very uniform fruit in great abundance. Fruit averages from 8 to 10 inches long and is of the finest quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Everbearing This variety is of small size; very early, enormously productive, and valuable as a green pickle. Its peculiar merit, however, is the vines continue to flower and produce fruit until killed by frost. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

A PREMIUM ON YOUR ORDER

With every cash order to the value of \$6.00 or more, at catalogue prices only, we will send you FREE 1 pair EEZY WEAR GLOVES, retail value 75c. These gloves are fine for garden work or spraying insecticides.



The Vaughan Cucumber

DANDELION

One ounce will sow 100 feet of row.

Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with $\frac{1}{2}$ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens, the roots as a substitute for coffee. Pkt. 10c; oz. 35c.

Insect Remedies Two pounds arsenate of lead mixed with 50 pounds Bordeaux mixture kills insects and prevents disease. One pound arsenate of lead mixed with 20 pounds lime kills the striped cucumber bug. Apply as soon as the plants appear.

Improved Long Green A fine bearer of superior quality. The fruits are very long and of beautiful dark green color. Fine for slicing and pickles. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.15; postpaid.

Gherkin or Burr Used only for pickling. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

Stay Green A special strain for market gardeners, introduced by Simon & Son. An extra fine shipper; small and dark green. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

The Vaughan This is the largest of the white spine types, suitable for outdoor growing. To get best results it should be grown in rich soil or well-fertilized soil. When grown under these conditions it is reasonably prolific. It is a magnificent cucumber, about 15 inches long, of nice dark green color and nice shape. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

SPECIAL DISCOUNTS

on Garden or Flower Seeds

Select any 6, 5c packets for.....	25c
Select any 3, 10c packets for.....	25c
Select any 13, 5c packets for.....	50c
Select any 7, 10c packets for.....	50c

WE PAY POSTAGE



Improved Long Green Cucumber

DILL

Dill Mammoth An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties, but its largest use is for making Dill Pickles. Plant branching, 2 to 3 feet high; leaves very much cut into thread-like segments. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

ROSES — SHRUBS — TREES

will be shipped separately from seeds and other merchandise you order. All plants are shipped to you direct from our growers, so if these do not come with seeds you order, the plants will come later.

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

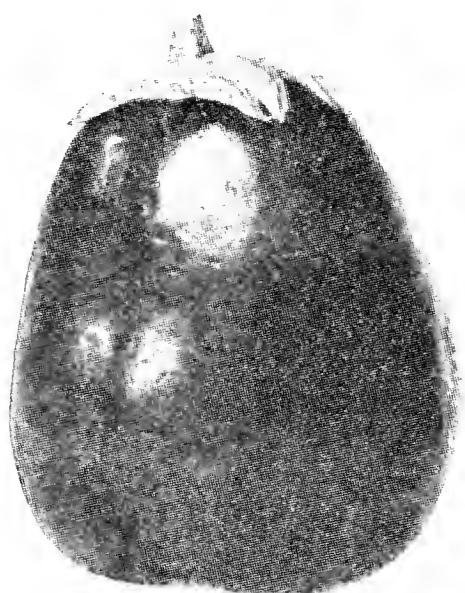
EGG PLANT

CULTURE — Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

Black Beauty This is the earliest and best of all large-fruited Eggplants. Fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish-black. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$4.25; postpaid.

Florida High Bush Stands heat well; the fruit is round, smooth and very large; color bright purple. Pkt. 5c; oz. 50c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.50; postpaid.

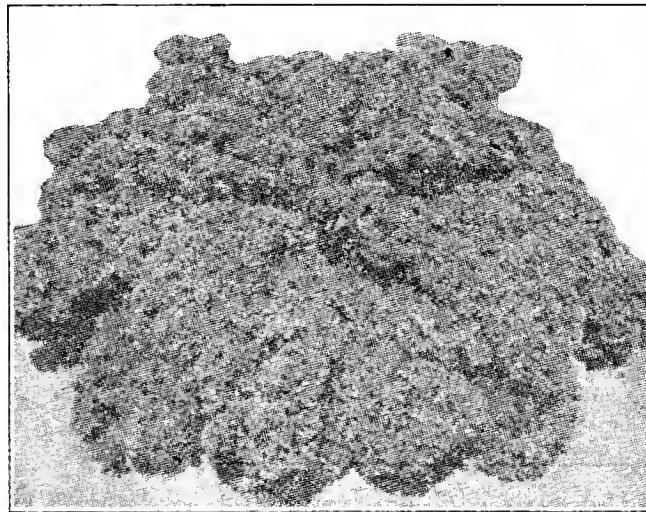
New York Improved Purple The old standard variety. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$4.25; postpaid.



Black Beauty Egg Plant

HERB SEEDS

	Postpaid	Pkt.	Oz.
BASIL, Sweet—For flavoring soups.....	\$.10	\$.50	
DILL, Mammoth—Used for flavoring pickle.....	.10	.15	
LAVENDER—Used for its odor.....	.10	.80	
MARJORAM, Sweet—Used in seasoning.....	.10	.40	
ROSEMARY—For seasoning meats and soups.....	.10	.70	
SAVORY, Summer—Used as a culinary herb.....	.10	.70	
SAGE, Broad Leaved—A popular plant.....	.10	.50	
THYME—Much used for seasoning.....	.10	.60	



Dwarf Green Curled Kale

KALE

CULTURE — Sow from 2 to 3 pounds to the acre, 1 ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

Dwarf Green Curled Leaves curled. The best variety for fall sowing. Stands all winter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c; postpaid.

Tall Curled Scotch A beautiful curled variety. Fine for spring planting. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 75c; postpaid.

HORSERADISH ROOTS

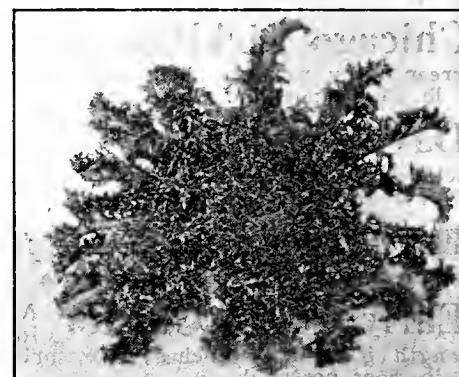
Maliner Kren (Bohemian) Large, strong cuttings, 40c per doz.; \$2.50 per 100; \$15.00 per 1,000. If wanted by mail, add 10c per 100 for postage.

GARLIC

"Plant in spring or fall in rows, cultivate and harvest same as onions." $\frac{1}{4}$ lb. 20c; 1 lb. 45c; postpaid.

ENDIVE

CULTURE — One ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July, 1 foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.



Green Curled Endive

Large Green Curled

The hardiest variety; beautifully curled. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

Broad-Leaved Batavian

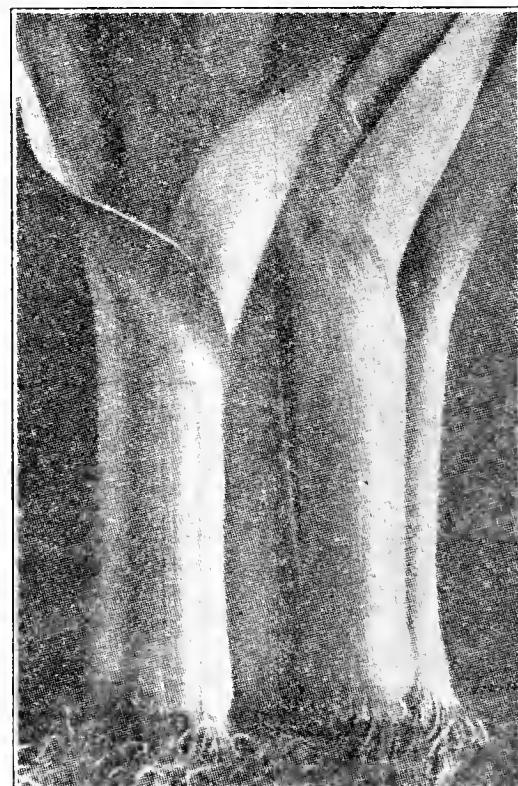
(Escarolle)—Leaves long and broad, thick and succulent. One of the choicest salads. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

KOHL-RABI

Combines the flavors of the cabbage and turnip and makes a splendid dish if used when 2 to 3 inches thick. Sow in drills as early as the ground can be worked, thinning out to stand 5 to 6 inches in the row. For a succession, sow every two weeks till end of April. For fall use, plant in August or early September.

Early White Vienna

This is the best and earliest variety for table use. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.



London Flag Leek

GOURDS

Plant in April, as soon as ground is warm. Prices postpaid.
Dipper Gourd.....Packet 5c; oz. 20c
Dish Rag Gourd.....Packet 5c; oz. 25c
Nest Egg Gourd.....Packet 5c; oz. 20c

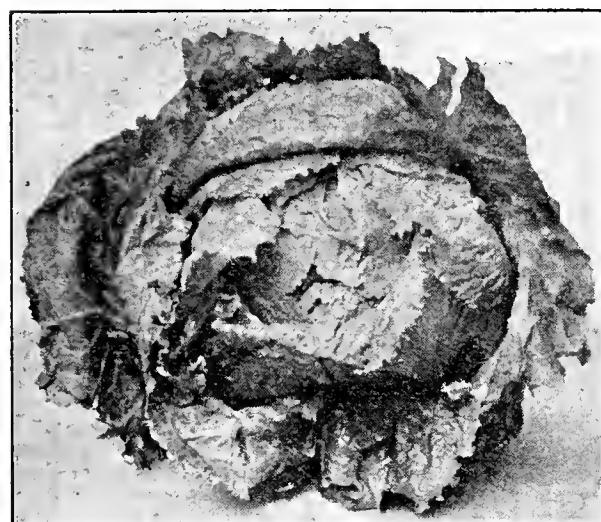
FOR BEETLES ON EGG PLANTS— use

BUG DEATH

1 lb. 25c; 5 lbs. \$1.00. By mail, 1 lb. 30c; 5 lbs. \$1.20.

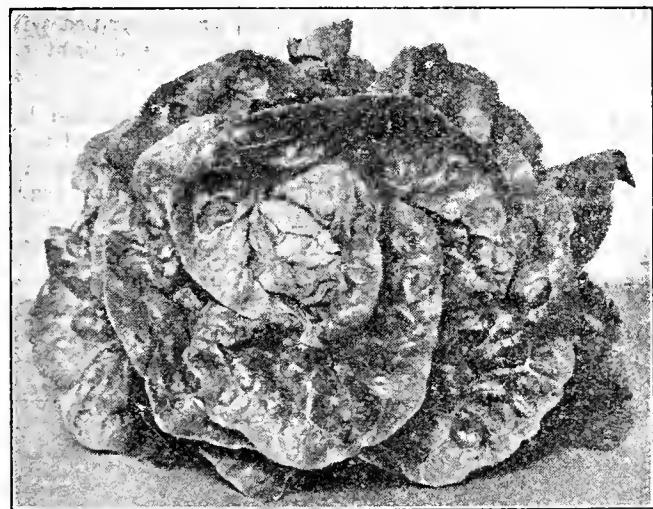
FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

LETTUCE AND JAPANESE MUSTARD-SPINACH LETTUCE



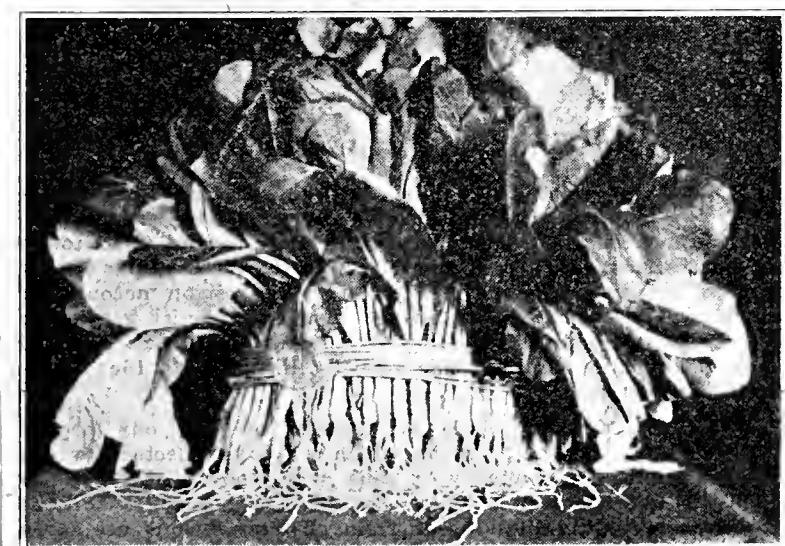
New York or Wonderful Lettuce

New York or Wonderful A grand Head Lettuce sometimes called California and Los Angeles; furnishes fine, crisp lettuce during the hot summer months. This is one of the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.



Large White Cabbage Lettuce

Large White Cabbage Forms a compact head; has no core, but a tender, golden heart. As a shipper, it is unexcelled, commands the very best prices; demand always exceeds the supply. It resists the cold, withstands the summer heat, always has a crisp, mild flavor, when open it becomes a table ornament. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.



Japanese Mustard-Spinach

CULTURE—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

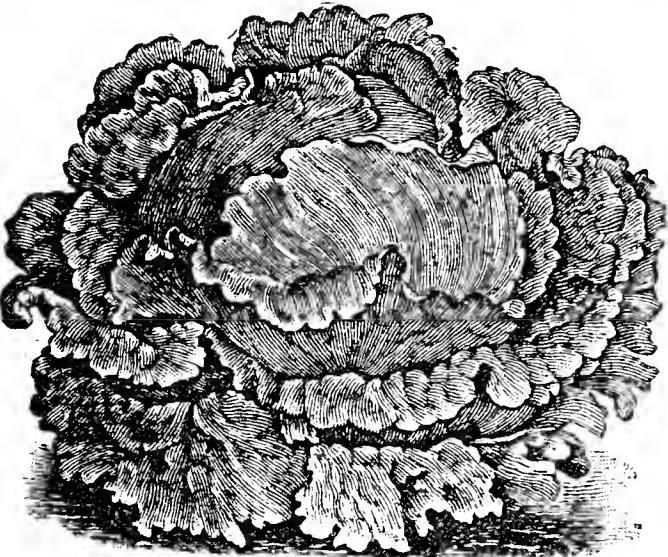
Big Boston A very popular variety for market gardeners. Our strain is very hardy, sure to head and produces solid heads of large size, often 10 to 12 inches across, which are slow to go to seed. The leaves are thin, hard and crisp, comparatively smooth but wavy at the edges, and are of bright light green color, slightly tinged with reddish-brown. The inner head blanches to an attractive greenish-white. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.25; postpaid.

Black-Seeded Simpson One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color, very tender, crisp and of fine quality. A fine sort for summer, as it withstands the heat; also for home garden. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

California Cream Butter Dark green, round, thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

Mignonette Small, solid heading; never fails. The flavor is fine and the leaves crisp. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

Prizehead Very popular, large, loose-heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.



New Iceberg Lettuce

New Iceberg Quick-growing and of exquisite flavor. The large curly leaves which cover the outside of the solid head are of bright, light green, with a slight reddish tinge on the edges. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Chicken Lettuce Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut, it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.40; postpaid.

Cos or Romaine Forms large light green, well-folded heads of upright growth and popular for its crispness and mild flavor. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.35; postpaid.

Improved Hanson Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

White Boston An improvement on Big Boston, having lighter green leaves with equally large solid head; the inner leaves blanch snow white and are crisp and tender. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50; postpaid.

LETTUCE PLANTS—Varieties: Big Boston and New York or Wonderful. Ready about March 1st. Postpaid, 50, 25c; 100, 45c. Not prepaid, 50, 20c; 100, 35c; 1,000, \$2.75.

JAPANESE MUSTARD-SPINACH

Also known as Evergreen, etc. This delicious new vegetable green is a combination of mustard and spinach, having the flavor of mustard, turnip, kale and spinach. Japanese Mustard-Spinach has been thoroughly tested out and in our opinion it will prove a splendid acquisition to the family garden.

Plant in the spring or fall; sow thickly in three-foot rows at the rate of 5 to 6 pounds of seed to the acre. Japanese Mustard-Spinach is ready for the market in 22 to 24 days after planting. It is very easily grown; no real experience is necessary in sowing or marketing this new green. It's just good greens that anyone can grow and know you will like it. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1 lb. 90c; postpaid.

RUSSELL - HECKLE

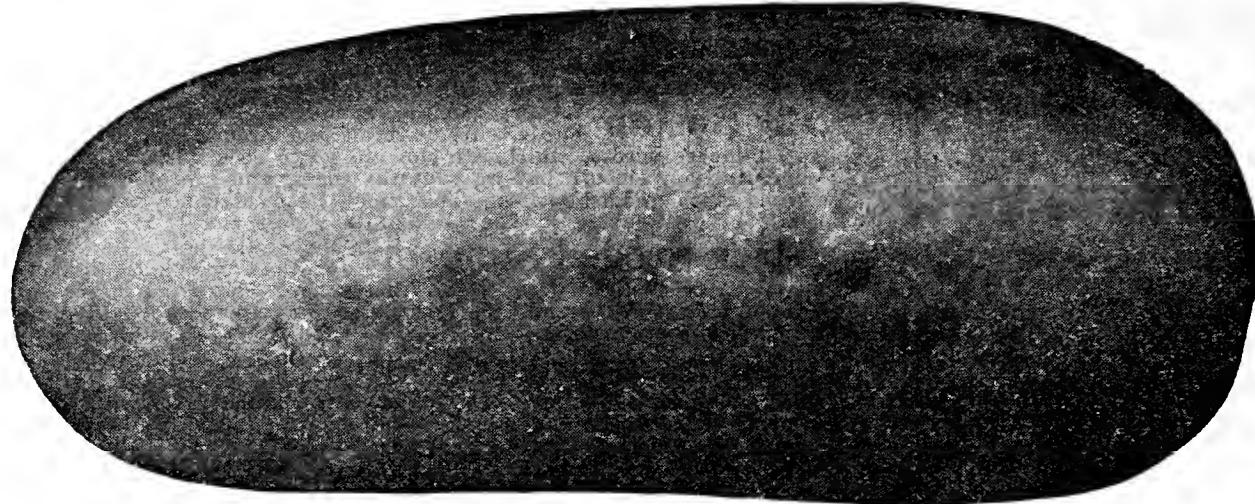
TOP NOTCH SEEDS

MEMPHIS, TENN.

SEED COMPANY

R.-H. Co.'s SOUTHERN GROWN WATERMELONS

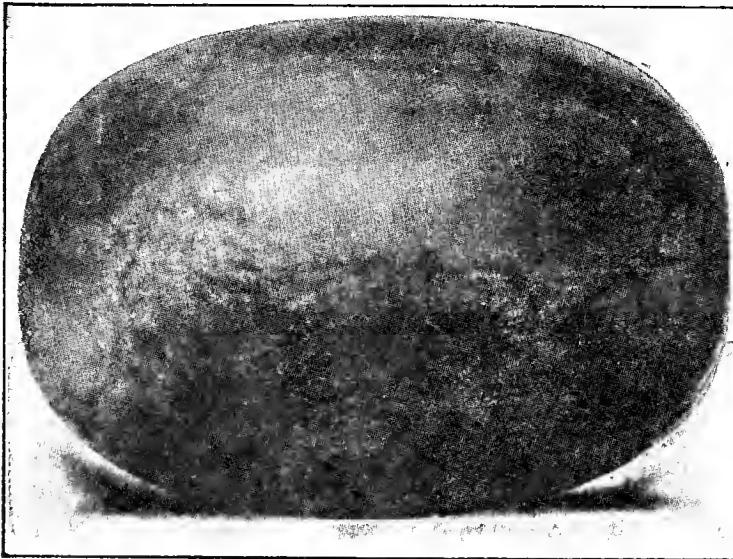
CULTURE—One ounce to forty hills; 3 or 4 pounds to the acre. Drop seed in well manured hills 6 to 8 feet apart, 6 to 10 seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.



New Wonder Watermelon

New Wonder A variety which has become one of the favorites. No watermelon has received more praise in the short time of its existence, and justly so, for it is one of the finest flavored melons raised. It is also very productive, grows great quantities of big, fine, dark glossy green melons, fully as good eating quality as any melon. The rind is rather thin but reasonably tough to insure good carrying for short hauls, and any market that receives this melon will sell to good advantage. Grows long and thick, seeds white, flesh red and juicy sweet. We can unreservedly recommend this melon for the market gardeners and large truckers. It will please and satisfy those who like good melons. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Special New Wonder This is an extra fine strain of this phenomenal watermelon which we have selected for our customers who want the very best melon to be had. All seed carefully selected from the finest and largest melons of this well liked variety. Melons from this selection will command a premium. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75; postpaid.



R.-H. Co.'s Big Boy Watermelon

R.-H. Co.'s Big Boy In size, the biggest that grows. Melons average 60 pounds. Some weigh 100 pounds. Oval in shape, dark mottled-green rind with dark red flesh that is very sweet. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00; postpaid.

Special R.-H. Co.'s Big Boy A selected stock of this extra fine melon that makes the Big Boy still more desirable. All seed of this strain from the largest and choicest melons. Give it a trial and you will be well repaid for the slight extra cost of the seed stock. Pkt. 15c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$2.75; postpaid.



These will allow you to plant watermelons early. Hot Kaps are miniature greenhouses. Try them and get melons for the early market.

Plant your hills in the usual way, cover with a Hot Kap, which protects the plant from cold. Price per 100, \$2.50; by mail, \$2.75.

Excel The Excel is a large, long green Melon, often weighing 50 to 60 pounds, a fine shipping variety; flesh deep red and ripened well out to the rind. Color of rind deep green and occasionally deep green stripes. The meat is very sweet and free from hard centers. This wonderful melon is favored by buyers, especially those demanding large sizes. Our seed stock is extra fine and reasonably priced. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Florida Favorite Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c; postpaid.

Georgia Rattlesnake One of the largest and best known watermelons cultivated in the South. The fruits are very long, of a light green color, distinctly blotched and striped with a darker shade. The flesh is bright scarlet, fairly tender and sweet. A second early variety suitable for both shipping and home use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c; postpaid.

Special Georgia Rattlesnake This is extra selected stock from our grower. Saved only from the very best melons; uniform in size and color. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.



Special Irish Gray Watermelon

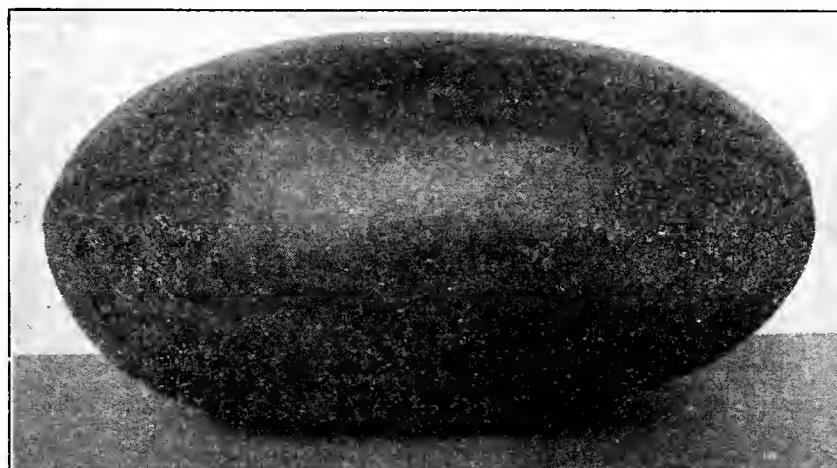
Irish Gray In sweetness it is like Kleckley's Sweets; in shipping quality, uniformity in shape, size and in productivity it compares with Tom Watson. The thin rind is so tough it will not burst from rough treatment in transit; its keeping quality will appeal to shippers who have experienced losses on account of glutted markets. The color is a distinct mottled greenish-gray; the flesh is red, sweet, crisp and free from stringiness. Although a grand shipper, it is equally fine for the home garden. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Special Irish Gray This is another one of our special strains which we have selected for our customers who want extra quality in this well known and popular variety. This is another melon which has been a big seller for the past several seasons. Only those seeds from choicest melons are saved to be used for this variety of watermelon. The biggest booster of this variety is the person who has once planted them. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

R.-H.Co.'s SOUTHERN GROWN WATERMELONS

Kleckley Sweet

Immensely popular because of its superb flavor and surpassing crispness; is not recommended for shipping, but for nearby markets and for home consumption it has no superior. This melon has a rich, mellow taste that has made it one of the greatest watermelons for table use. It is not overly large, but is medium in size, oval shaped, with an average length of about 18 to 20 inches. It is mottled green on the outside, with the flesh a bright red and of extremely fine quality. The seeds of this melon are white and grow close to the rind, outside of the big, bright scarlet heart. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.



Kleckley Sweet Watermelon

Special Kleckley Sweet

This is an extra selected stock of this splendid, well-known and popular melon. Seed is saved only from specimen melons as nearly uniform as possible. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Red Seeded Citron

Very productive; rich quality; makes preserves of unsurpassed flavor. Superior to the ordinary preserving citron in quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lbs. 40c; 1 lb. \$1.25; postpaid.

Schlochler

A Southern melon of recent introduction; grows to very large size; one of the biggest melons. They will average 40 pounds each. The fruit is very dark green with an indistinct stripe and is very uniform in shape. Flesh bright red, sweet and crisp. The grower claims the Schlochler melon will stand more drought than any other melon and is a sure producer. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Special Schlochler

A selected stock of this excellent variety. The seed is taken only from the most uniform and largest specimen fruits. Special care is used in making this stock of Schlochler very superior. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.



Ribault Watermelon

Ribault Is long and thick in shape, measuring 24 to 30 inches long by 16 to 20 inches in diameter. The rind is dark green, indistinctly striped with mingled lighter green. The young melons will show stripes, but as they develop and ripen the stripes fade away, leaving a dark glossy green color. The rind is medium thick and will stand rough usage during shipping; under ordinary handling the rind will not break. The meat is red and sweet and free from hard centers. It grows remarkably large, and is very prolific; not unusual to grow 600 melons per acre, weighing 40 pounds each. This new watermelon will make increased profits for the grower and at the same time meet with favor with the buyers, especially those demanding big sizes. You will make no mistake to plant this remarkable watermelon. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.25; postpaid.

Tom Watson The most popular shipping melon grown. The melons are large, long and dark green, like the Kleckley's Sweet, but larger and has a tougher rind, giving it exceptionally fine shipping qualities. The flesh is rich red, solid, sweet and luscious and ripens close up to the rind. Although a shipping melon, its fine quality commands it to the home gardener. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 80c; postpaid.

Special Tom Watson These are from our grower, who has selected only the choicest and largest melons. If you want something extra good, try this special strain. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Halbert Honey

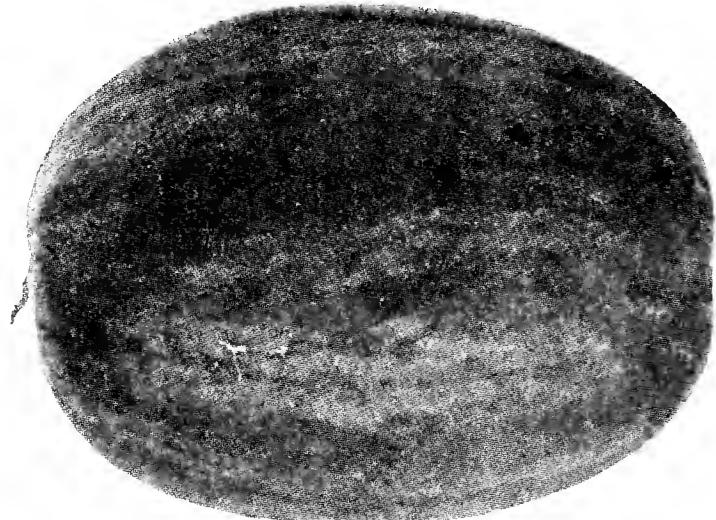
Halbert Honey is one of the sweetest of all watermelons. The fruits are of handsome appearance and regular in form. They are long, measuring 18 to 20 inches in length, and from 6 to 8 inches in diameter. The color of the skin is a deep green, showing fine veins. The melons weigh about 35 pounds each. The flesh is a beautiful crimson color and the rind is very thin. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Special Halbert Honey

This seed is saved by special selection for size, type and purity. Nothing is left undone to make this special strain of Halbert Honey better in every way, as you know like produces like. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Thurmond Grey Watermelon

A remarkable new delicious melon, a big money-maker and supreme satisfaction to all who grow it. The flesh is bright sparkling red, the flavor is deliciously sweet and satisfying. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c; postpaid.



Stone Mountain Watermelon

Stone Mountain

Is very popular in the South. It is one of the best among the round watermelons, and has attained the leadership among these sorts. It is very sweet, grows large and is almost round in shape. The picture above is a fair representative of the fruit. The rind is mingled dark green, medium card, the flesh is red. Under normal conditions this variety will produce melons weighing over 50 pounds, and will command highest price on any market where quality is first consideration. Every melon grower should give this variety a try-out, whether you like a round melon or not: when you have tasted the delicious flavor and sweetness of the melon, you will forget the shape; the real value of the melon is on the inside. It is very prolific and has very few seeds, which are white with black border. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

Special Stone Mountain

A selected stock of this most excellent melon, that will make still better and larger melons. All seed is saved from only the most perfect specimens, and you know what that means. Why not grow some real Stone Mountains? Order some of this special stock. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.

Top Notch Watermelon Collection

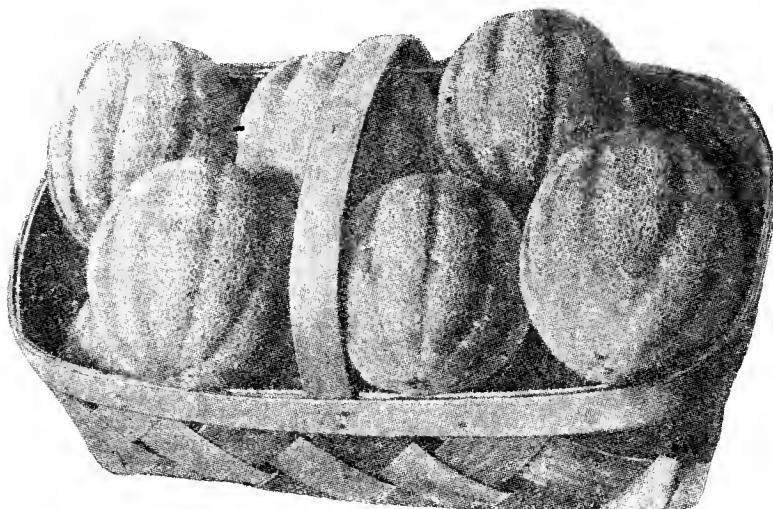
1 pkt. Special R.-H. Co.'s Big Boy.....	\$.15
1 pkt. Special Halbert Honey.....	.10
1 pkt. Special Kleckley's Sweet..	.10
1 pkt. Special Irish Grey.....	.10
1 pkt. Special Schlochler .....	.10
1 pkt. Special Stone Mountain.....	.10
1 pkt. Special Georgia Rattlesnake..	.10
1 pkt. Special New Wonder .....	.10

Retail.....\$.85

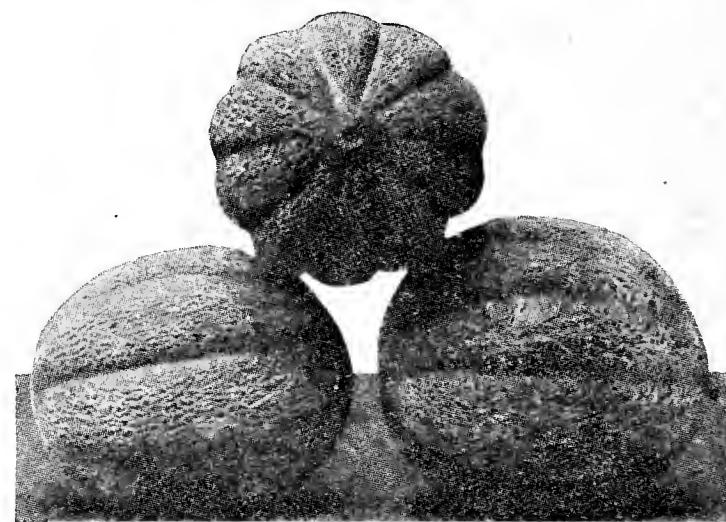
Specially offered for 60c Postpaid

MUSK MELON OR CANTALOUPE

CULTURE—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 50 hills. For borers or worms, spray as soon as blossoms appear with Bordo Arsenate and add Blackleaf 40.



Lake Champlain Cantaloupe



Hale's Best Cantaloupe

Lake Champlain The flesh is a rich golden color, free from stringiness, fine-grained, melting, juicy, sweet delicious flavor clear to the rind. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.35; postpaid.

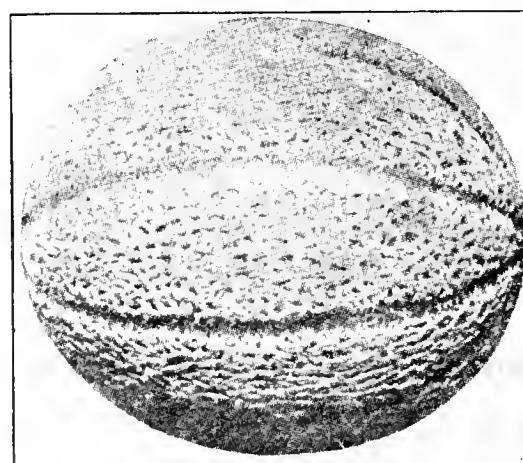
Acme, or Baltimore One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Banana Long shaped like a banana; has a most delicious flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

California Beauty Here is the melon to grow for market. Several Arkansas truckers have held the Memphis market on this excellent variety. It outsells all others. We do not know of a better cantaloupe than California Beauty. A medium large, pink flesh melon, with excellent eating qualities. The meat is thick, deep salmon in color, very sweet and tender, shape is slightly oval with heavy netting. Our stock of California Beauty Cantaloupe is genuine, being raised for us in this section, and you can depend on getting a cantaloupe that will make you some money. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50; postpaid.

Honey Ball A little larger than Rocky Ford, is as round as a ball, has thick green flesh. Honey Ball is quite early, enormously productive, and has a flavor and sweetness which will add greatly to its popularity. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75; postpaid.

Honey Dew A splendid variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.



Mammoth Rocky Ford

Mammoth Rocky Ford The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.15; postpaid.

Hale's Best Produces melons of uniform standard size, 90 per cent of which are completely covered with a beautiful gray, lace-like netting which, with the small seed cavity, are the most essential points in carrying and keeping qualities of the cantaloupe. The flesh is green, tinged with a delicate salmon-pink around the seed cavity, which is the smallest of any strain of Rocky Ford. The flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

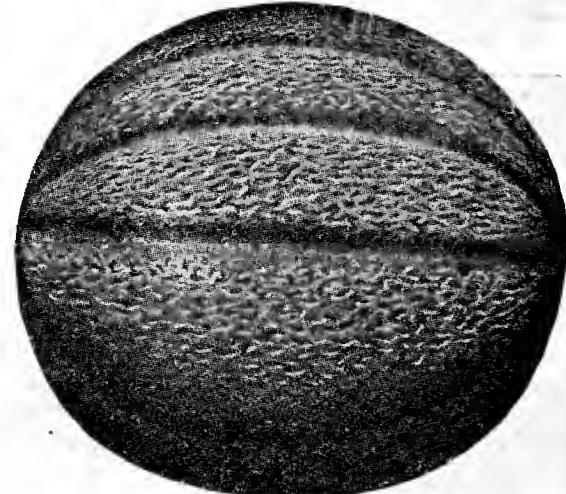
Hearts of Gold Medium size, round, heavily netted; flesh very thick, of rich orange color, handsome appearance and of the sweetest flavor. Average size of melon 6 to 8 inches in diameter. Matures in 75 days. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Osage, or Miller's Cream

A medium to large-sized, salmon fleshed melon of excellent quality. The fruits are oval, dark green in color, slightly ribbed and partly covered with shallow gray netting. The flesh is salmon colored, fine-grained and highly flavored. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

Pink Meat Rocky Ford

This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint. Pkt. 5c; oz. 15c; $\frac{1}{2}$ lb. 35c; 1 lb. \$1.00; postpaid.



Pink Meat Rocky Ford

Rocky Ford One of the most popular. Flesh is green, thick and lusciously sweet. It is netted and ribbed and ripens early. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 90c; postpaid.

Superfecto Cantaloupe This new melon of the Rocky Ford type is the sweetest and most luscious of the salmon flesh varieties. It has deep yellow flesh which is soft and exceedingly sweet. Don't fail to plant this new variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.35; postpaid.

Tip Top Nearly round, deeply ribbed, moderately netted; flesh is bright salmon, thick and sweet. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.15; postpaid.

MELON PESTS

When planting cantaloupes and cucumbers, put in between the hills Yell. Sum. Crookneck Squash. The insects prefer the squash to the melon. Make two plantings of the squash, so the blossoms and young fruits attract the butterfly that lays the eggs, and the worm will destroy the squash crop, leaving the melons and cucumbers unmolested. Burn the squash plants while the worm is doing the damage.

Spray Cantaloupes and Cucumbers—use Shep's or Evergreen Spray to keep down Harlequin bugs, aphis and other pests.

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN

MUSTARD - OKRA - ONIONS

MUSTARD

CULTURE—Sow from February to April or September and October; broadcast or in drills, six inches apart. Cut when about three inches high. One ounce seed to 80 feet drilled; six pounds to acre broadcast.



Southern Giant Curled Mustard

Southern Giant Curled Leaves are large, light green, much crimped and frilled at the edges. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

Ostrich Plume Leaves dark green, which curve outward like a fine ostrich plumes. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; postpaid.

Large Smooth Leaved An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground. The plant is of very quick growth, fairly upright when young, becoming somewhat spreading at maturity. This sort is preferred by many, as it is more easily prepared for the table than the rougher leaved varieties. Pkt. 5c; oz. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 60c; postpaid.

ONION SEED

CULTURE—Sow in January or February in hotbeds. Transplant to 12-inch rows, five inches apart. Sow outdoors in rows in March.

Large Red Globe Medium early or main crop red variety produces bulbs of medium to large size, ideally globe shaped, with very smooth, glossy surface, very small neck and remarkably beautiful deep purplish red color. The flesh is white, tinged with light purple, mild, very fine grained and tender. The variety is extensively grown for home use as well as the market. One of the best keepers and is well adapted for shipping. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.60; postpaid.

Large Red Wethersfield Medium early; skin is purplish-red. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Prizetaker Very large and solid; skin rich yellow. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75; postpaid.

Southport White Globe Handsome globe-shaped bulbs. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.

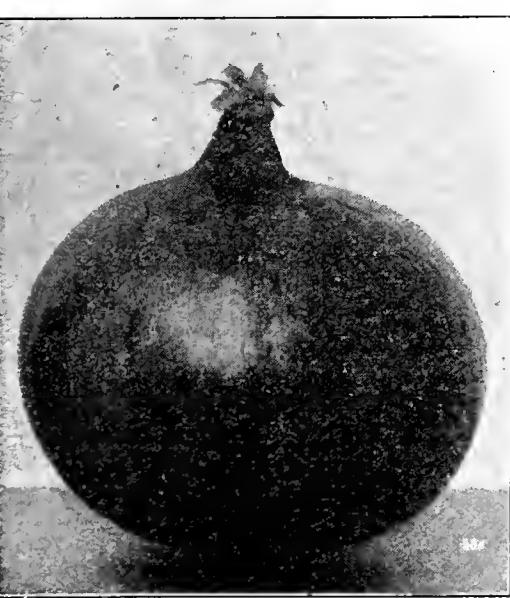
White Silver Skin Pure white; mild flavor. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.

Dark Red Italian This is the variety raised by our Italian market gardeners. Skin deep red, flesh mild and sweet, grows to a large size. Sow seed early in hot bed and transplant to the garden. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; 1 lb. \$3.25; postpaid.

Yellow Globe Danvers Globe shaped; large. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50; postpaid.

Yellow Or Straw Colored Bermuda Light yellow or straw color; very sweet and mild. (Teneriffe grown.) Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25; postpaid.

Crystal White Wax This is the pure White Bermuda Onion. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.25; postpaid.



Large Red Globe Onion

OKRA

CULTURE—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.



White Velvet

Okra Very productive, producing round, smooth, white pods. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c; postpaid.

White Velvet Okra

Early Dwarf Green Very early; pods green and tender. Pkt. 5c; postpaid.

Tall or Long Green Long ribbed pods; very productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; postpaid.

FREE WITH ORDERS 1932 Calendar and Almanac

Useful in many ways. Gives weather predictions for the next 12 months, with other information.

When requested we will mail you a copy of our 1932 Almanac Calendar.

Don't fail to ask for a copy when sending your order.

ONION SETS

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.

CULTURE—Plant four to six inches apart in 12 to 24-inch rows. Plant in spring or fall in fine rich soil, well manured.

Red Wethersfield Postpaid, qt. 20c; gal. 60c; Not prepaid, qt. 15c; gal. 50c.

Yellow Danvers Postpaid, qt. 20c; gal. 60c; Not prepaid, qt. 15c; gal. 50c.

White or Silver Skin Postpaid, qt. 25c; gal. 75c. Not prepaid, qt. 20c; gal. 60c.

White Multiplier Postpaid, qt. 25c; gal. 90c. Not prepaid, qt. 20c; gal. 75c.

BERMUDA ONION PLANTS

Bermuda Onion Plants will produce delicious young Onions for table use during the late spring and early summer. They can be set out at the same time you would plant Onion sets or Cabbage plants. Plant in rows about 15 inches apart, and three to four inches in the rows.

Crystal White Wax Bermuda Absolutely pure white Bermuda Onion with a most beautiful waxy appearance.

Price, shipped from Memphis, postpaid: 100, 25c; 500, 75c; 1,000, \$1.25. Not prepaid, 100, 15c; 500, 60c; 1,000, \$1.00; per crate, 6,000 plants, \$4.20.

Price, f. o. b. growing station, per crate, 6,000 plants, \$3.20.

Yellow Bermuda The most popular of Bermuda varieties. The bulbs are light straw-colored.

Price, shipped from Memphis, postpaid: 100, 25c; 500, 75c; 1,000, \$1.25. Not prepaid, 100, 15c; 500, 60c; 1,000, \$1.00. Per crate, 6,000 plants, \$4.20.

Price, f. o. b. growing station, per crate, 6,000 plants, \$3.20.

All prices on Onion Plants are subject to crop conditions and market changes.

PARSLEY - PARSNIP - PEPPER



Double Curled Parsley

PEPPERS

CULTURE—One ounce will produce about 1,000 plants. For early plants sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows.

Bell, or Bull Nose A large early sort of mild flavor. Fruits are large. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50; postpaid.

Chinese Giant This variety is one of the largest and finest Peppers. The plant is about two feet high, of strong vigorous growth, stocky and erect in habit, is quite square, average 4 inches in diameter, and is of a bright, glossy-scarlet when ripe. The flesh is unusually thick and very mild. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$4.50; postpaid.

Pimento The sweetest Pepper grown, does not contain the slightest trace of fieriness. The plants are extremely productive, and Peppers are medium in size and of a shape which is desirable for filling. When fully ripe the Peppers are of brilliant red color and very attractive. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c; 1 lb. \$2.25; postpaid.

Ruby King A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c; 1 lb. \$2.25; postpaid.

Long Red Cayenne A well known medium early variety, with extremely strong and pungent flesh. Bears long, slender twisted pods, bright red when ripe. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.75; postpaid.

Tabasco This variety is used in manufacturing the well-known Tabasco Sauce. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$4.25; postpaid.

Red Chili Small, red, conical pods, hot and prolific. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.75; postpaid.



Long Red Cayenne Pepper

California Wonder A giant-podded sweet Pepper, maturing very early, similar in shape to Bull Nose, but much larger and flesh thicker, deep green when young and a rich red when ripe; flavor mild. One of the best sorts for salad and large mangoes. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.10; 1 lb. \$4.00; postpaid.

World Beater Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25; postpaid.

PEPPER PLANTS

Varieties: Chinese Giant, California Wonder and Long Red Cayenne. Ready about April 20th. Postpaid, doz. 25c; 50 75c; 100 \$1.25. Not prepaid, doz. 20c; 50 60c; 100 \$1.00.

PARSLEY

CULTURE—Soak seed in water for a few hours and sow in rich soil early in Spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

Champion Moss Curled A vigorous, compact sort, very fine for garnishing and flavoring. Densely crimped and curled. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c; postpaid.

Double Curled A standard variety having deeply cut and beautifully curled leaves. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c; postpaid.

Plain, or Single Leaves are flat, deeply cut, and dark green. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00; postpaid.

PARSNIPS

CULTURE—Sow the seed in early spring, three-fourths of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds of seed required for an acre.



Sugar, or Hollow Crown Parsnip

Sugar, or Hollow Crown The Hollow Crown is probably grown more universally than any other Parsnip. Roots white, smooth, sugary and of excellent flavor, easily harvested, 12 to 15 inches in length and often 3 inches in diameter at the top, with a hollow crown about the stem. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c; postpaid.

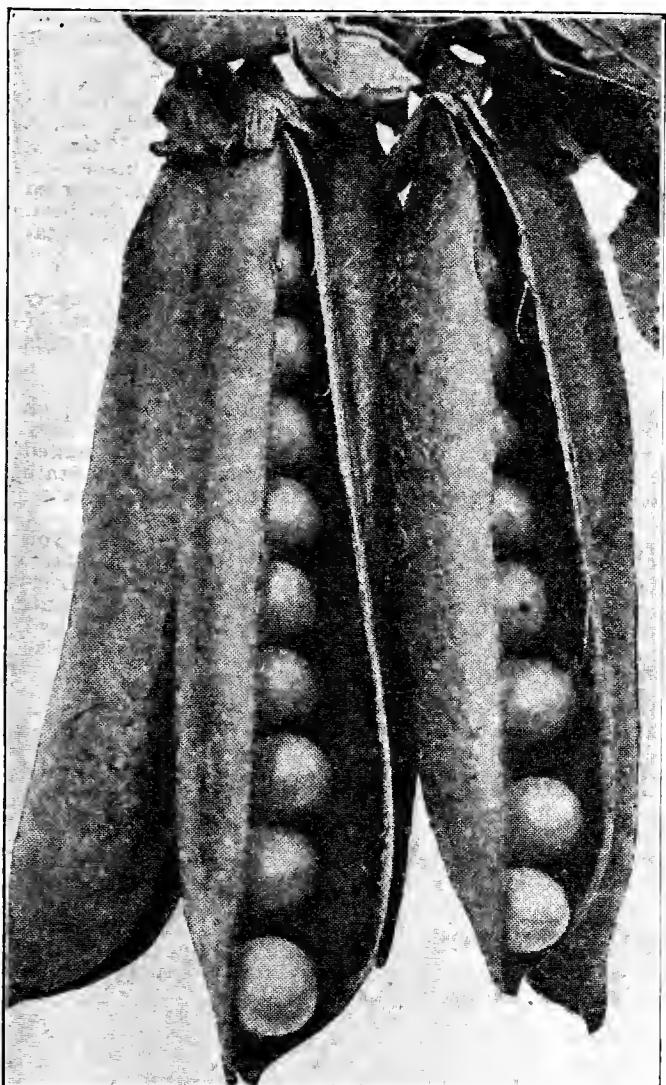


California Wonder Pepper

RUSSELL-HECKLE'S GARDEN PEAS



CULTURE—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow Peas in drills about 2 to 3 inches deep, in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (*). These should not be planted until March.



Laxtonian Peas

Laxtonian* Eighteen inches. The largest-podded of the dwarf wrinkle Peas. A splendid new variety, becoming a favorite with those who grow for the market or for the home garden. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

Russell-Heckle's First of All The First of All is fully as early and much larger and more prolific than the best strains of First and Best. The pods are 3½ to 4 inches long and borne in pairs. Vines grow two feet in height. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

Thomas Laxton* Large-podded, extra early Pea. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

World's Record* One of the very finest of the large-podded, dwarf Peas, though somewhat earlier. Height, 15 inches. Vine and foliage stout, heavy and dark green; pods 3¾ inches long, containing 6 to 8 large, dark green peas of superb quality. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

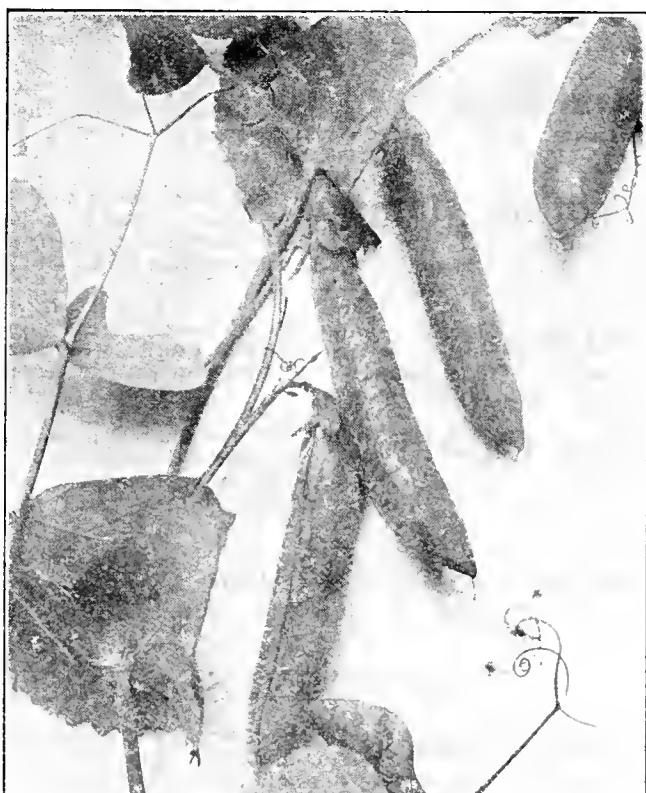
\$1.35 FAMILY GARDEN COLLECTION

20 varieties of Garden Seed, enough for your family garden.

Regular value \$2.00. Sent postpaid for only \$1.35.

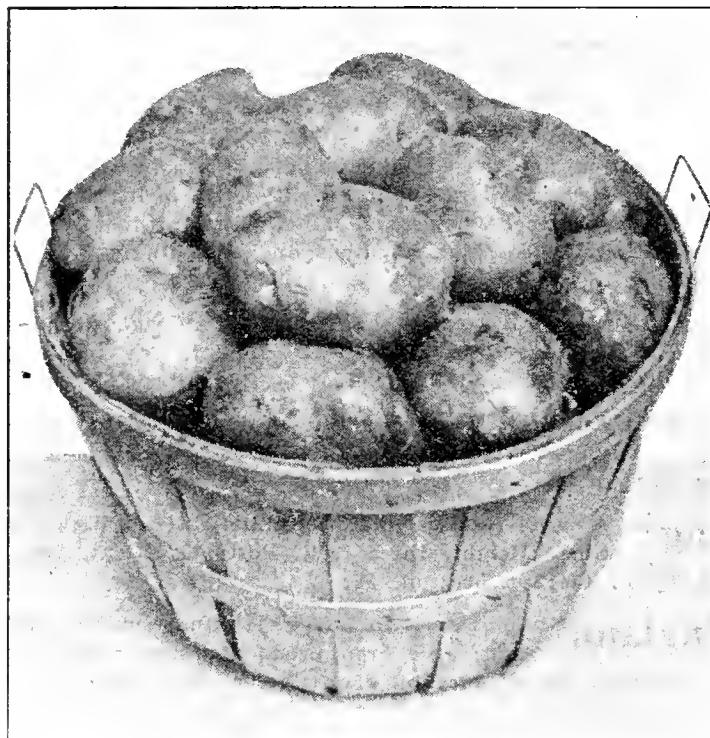
1—20c pkt. Bush Bean, Burpee Stringless.	1—5c pkt. Cabbage, Chas. Wakefield.
1—20c pkt. Pole Bean, Kentucky Wonder.	1—5c pkt. Collard, Southern Georgia.
1—20c pkt. Butter Bean, Carolina Pole.	1—5c pkt. Cucumber, Long Green.
1—20c pkt. Butter Bean, Henderson Bush.	1—5c pkt. Carrot, Danvers.
1—15c pkt. Corn, Golden Bantam.	1—5c pkt. Lettuce, Big Boston.
1—15c pkt. Peas, Early Alaska.	1—5c pkt. Cantaloupe, Rocky Ford.
1—10c pkt. Turnip, Purple Top Globe.	1—5c pkt. Tomato, Stone.
1—10c pkt. Spinach, Bloomsdale Savoy.	1—5c pkt. Okra, White Velvet.
1—10c pkt. Beet, Crosby Egyptian.	1—5c pkt. Parsley, Double Curled.
1—10c pkt. Mustard, Sou. Giant Curled.	1—5c pkt. Radish, S. T. White Tip.

Price only \$1.35, parcel post paid. No changes in assortments can be made.



R.H. Co.'s First of All

IRISH POTATOES-SWEET POTATOES



Early Red Triumph

Certified Seed Sweet Potatoes Plant only disease-free seed Sweet Potatoes and Sweet Potato Slips. They mean better quality and better crops. We ship only State Certified seed stock. Can furnish following varieties:

Certified Nancy Hall—Skin yellow, meat sweet, of clear amber yellow. Prices on request.

Certified Porto Rico Yams—Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge. Prices on request.

Certified Sweet Potato Slips Certified Nancy Hall Slips.

Certified Porto Rico Slips. Postpaid, 500, \$2.00; 1,000, \$3.25. Not prepaid, 500, \$1.75; 1,000, \$2.75; 5,000, \$12.50. Prices subject to market changes.

IRISH POTATOES

CULTURE—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops. On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments. All prices quoted are F. O. B. Memphis.

State Certified Seed Potatoes They cost more, but they are well worth the difference. We handle the genuine State Certified Seed Potatoes, tagged and inspected according to state and government inspection requirements. Don't be misled and buy or plant just field inspected potatoes—see that the tag reads, "State Certified." You want the best. Send us your orders for the genuine State Certified Seed Irish Potatoes and get them right.

Certified Irish Cobbler Potatoes A popular, early white potato of fine quality. Very productive. We have State Certified Seed of this splendid variety.

Certified Red Triumph You can depend on our stock of Bliss Red Triumphs. They are smooth, sound and free from diseases and true to type, so tagged and certified by the state which produces them. Remember, only State Certified Seed Potatoes can be shipped into Mississippi and other states.

State Certified Seed Potato Prices We know you want the best. Then plant only State Certified Seed Irish Potatoes. Government records show state certified seed increases the yield 50 to 60 per cent. They cost a little more, but in the end they are the cheapest. Why? Because you get a better stand and a better crop. We also advise you to use Semesan Bel on them before you plant.

Quotations on State Certified Seed Potatoes given on Green Ink List enclosed

Larger Yield of Cleaner Potatoes Seed treated with Semesan Bel produces larger yields because of better stand, cleaner and better potatoes, and can be planted sooner.

One pound treats 15 to 20 bushels of cut seed potatoes.
4 oz. pkg. 50c; 1 lb. pkg. \$1.75; 5 lb. tin \$8.00. Cannot be mailed.

Cold Storage Potatoes We will have Lookout Mountain, Red Triumph, McCormick and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

PUMPKIN

CULTURE—They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

Japanese Pie Is something like the Green Striped Cushaw, but the neck is not curved. The skin is somewhat darker, being alternately striped light and dark green. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

King of the Mammoth A large stock feed pumpkin, practically round, weighing from 60 to 100 pounds. The skin is a dull salmon color and frequently netted. The flesh is a bright yellow and rather coarse. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

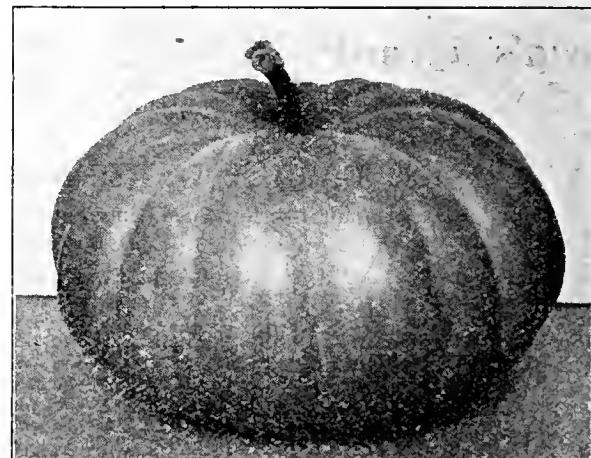
Small Sugar The finest of all varieties of pie pumpkin for canning. The flesh is quite deep, fine grained, dry, sweet, and yellow in color. Fruits weigh about 5 to 8 pounds, are round with flat ends, and ribbed. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Striped Cushaw One of the finest flavored pie pumpkins and large enough to be used for stock feed. The neck is curved quite thick and solid. The blossom end is large and round. The size is about 16 by 10 inches, often running larger; the skin is smooth, white with green stripes. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Tennessee Sweet Potato Fruits are pear shaped, of medium size, creamy white, with light green stripes and fine-grained brittle flesh. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00; postpaid.

Winter Luxury A strain of the Small Sugar, running slightly larger in size. It does not show the ribs of the Small Sugar and has a netted skin. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25; postpaid.

Kentucky Yellow Field A large variety of good quality; the standard pumpkin for field cultivation and stock feeding. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; postpaid.



Kentucky Yellow Field

SUMMER SEED POTATOES

The McCormick The best of all varieties for late or fall crop. We have been fortunate to again secure some of this very wonderful potato. It is superior in every way to the Lookout Mountain, being of superior quality, smoother and more productive. It seldom fails. The oval tubers are smooth, white, with slight pink eye, cooks mealy and dry and is of fine flavor. Don't fail to get your requirements of Cold Storage McCormick Potatoes. Prices made in June.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

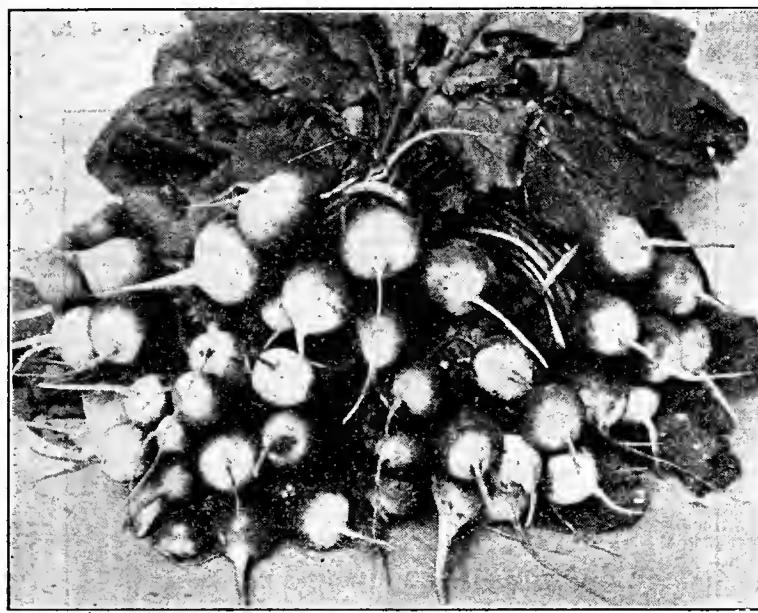
RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

RADISH SEED - RHUBARB ROOTS AND SEEDS



Cooper's Sparkler Radish

RADISH CULTURE—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter, sow in August and September. One ounce sows 50 feet in drills; 10 to 12 lbs. to the acre.

Cooper's Sparkler This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet; the bottom half clear white. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1 lb. 50c; postpaid.

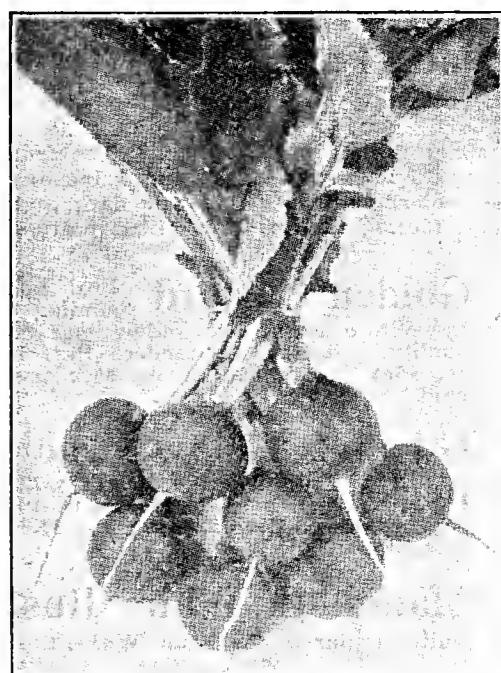
Early Scarlet Turnip A very early, small, round radish; entire radish is of a rich scarlet color. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1 lb. 50c; postpaid.

Early Long Scarlet Short Top Early, very short top; splendid shape and color. Pkt. 5c; oz. 10c; 1/4 lb. 25c; 1 lb. 60c; postpaid.

Scarlet Gem One of the earliest. It is perfectly globular, rich brilliant scarlet at top, blending into pure white at bottom; tender and crisp. The greenhouse strain of Cooper's Sparkler. Pkt. 5c; oz. 15c; 1/4 lb. 25c; 1 lb. 75c; postpaid.

Early Scarlet Turnip White Tip Market gardeners' favorite radish for outdoor planting. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1 lb. 50c; postpaid.

French Breakfast A very popular French variety of very rapid growth; color, scarlet, tipped with white, and small in size. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1 lb. 50c; postpaid.



Early Scarlet Globe

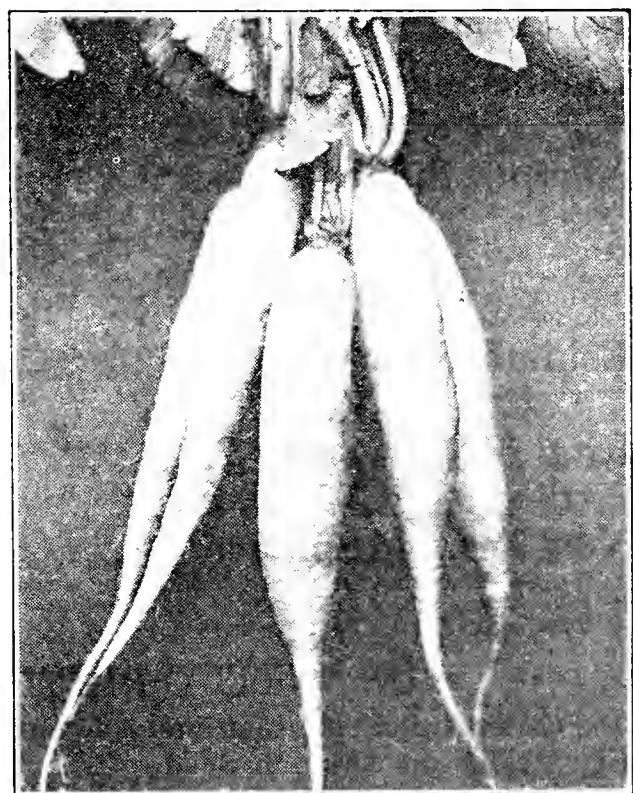
R. - H. Co.'s Perfection White Tip

The most attractive bunching radish on the market—the best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early; crisp and tender. Pkt. 5c; oz. 10c; 1/4 lb. 25c; 1 lb. 60c; postpaid.

Icicle Long, slender, pure white, the earliest and finest long, white radish. Pkt. 5c; oz. 10c; 1/4 lb. 25c; 1 lb. 60c; postpaid.

Early Scarlet Globe The roots of this variety are slightly olive shaped and are a rich, bright scarlet in color. The flesh is white and tender. The roots are fit to pull as early as Scarlet Turnip, but are larger when matured. We specially recommend this to gardeners as a large, first early forcing radish. It is also desirable for first early planting outdoors for the home garden and market. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1 lb. 55c; postpaid.

Long Black Spanish Winter Grayish black in color; pungent, exceedingly crisp. Pkt. 5c; oz. 15c; 1/4 lb. 25c; 1 lb. 75c; postpaid.



Icicle Radish

China Rose Winter

One of the very best for fall and winter use; bright rose color; flesh white and firm; superior quality. Pkt. 5c; oz. 10c; 1/4 lb. 25c; 1 lb. 75c; postpaid.

Chinese White Mammoth

This is the Mammoth and finest of the Chinese varieties; they grow to a very large size, from 12 to 15 inches long and 5 inches in diameter, and mostly above ground; the roots are shaded by its heavy foliage, and are always crisp and mild. A very desirable variety for fall and winter. Pkt. 5c; oz. 15c; 1/4 lb. 30c; 1 lb. 75c; postpaid.

Mixed Radishes A general mixture of all varieties, giving you radishes for the whole season at one planting. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1 lb. 50c; postpaid.

FREE EEZY WEAR GLOVES

With any cash order at catalogue prices only to value of \$6.00 or more, we will send you free one pair of these handy gloves. They are especially adapted for

gardeners and for use when spraying plants. A soft, pliable all-leather, dustproof glove that is most useful. One pair free with any cash order to value of \$6.00 or more at catalogue prices only. State size you wish.



China Rose Winter



Rhubarb

Rhubarb or Pie Plant

CULTURE—Plant in the early spring or fall in deep-worked soil, 4 feet apart each way. Mulch freely with manure or coarse litter. After stalks are well rooted and have grown freely, they may be used, and with care will last for years. Pkt. 5c; oz. 25c; 1/4 lb. 60c; 1 lb. \$1.50; postpaid.

Rhubarb Roots

Strong 2-year-old roots: Each, 30c; 6, \$1.40; 12, \$2.35; postpaid. One-year roots: Each, 15c; 6 for 75c; doz., \$1.25; postpaid. Not prepaid, 2-year roots: Each, 25c; 6 for \$1.25; doz., \$2.00. One-year roots: Each, 10c; 6 for 60c; doz., \$1.00.

PLANET, JR.

BULB and GARDEN TROWELS

Extra quality—they are real tools that are a pleasure to work with. 70c each; by mail 75c.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

SPINACH

CULTURE—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown from September until November. For summer use it may be sown at intervals of two or three weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.



Bloomsdale Curled Savoy Spinach

Bloomsdale Curled Savoy In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 35c; 5 lbs. \$1.50; postpaid.

Norfolk Blight Resistant A variety of Bloomsdale Spinach that is Blight Resistant, therefore making it a very desirable sort, since it holds its color at all times. On the southeast coast it is used almost entirely by the truckers for shipping to northern markets. The leaves are dark green, crumpled, large and of beautiful appearance. For market, grow the Norfolk Blight Resistant Spinach. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 50c; postpaid.

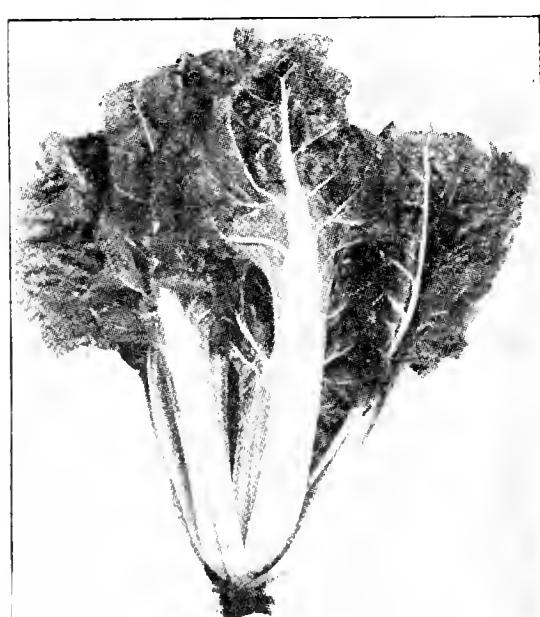
Eskimo Giant Produces its broad, thick leaves early in the season. Its giant leaves often measure 20 inches across, which when cooked are very tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 50c; postpaid.

King of Denmark The largest growing variety. The glossy dark green foliage is attractively crumpled and thick in texture. Ready to cut in 48 days. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 50c; postpaid.

New Zealand Spinach One single plant will grow to dimensions of 6 feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c; postpaid.

QUANTITY PRICES

See Green Ink Price List enclosed for Special Quantity Prices on Spinach Seed.



Swiss Chard

CHARD

Swiss Chard, or Silver Lu- cullus Beet

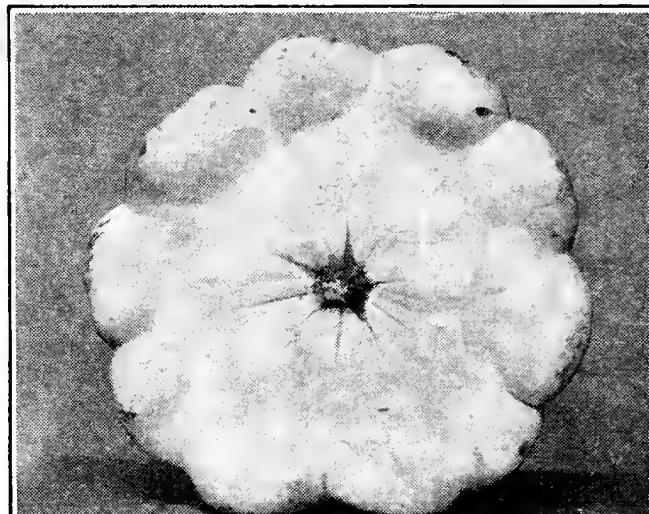
Grown for its leaves and stems only. Cook the leaves as you do spinach, and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c; postpaid.

Sheep Manure

Is the ideal plant food for gardens; high in nitrogen, but does not burn plants or harm seed. Makes better crops. 10 lbs. 45c; 25 lbs. 75c; 100 lbs. \$2.25.

SQUASH

CULTURE—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.



Early White Bush Squash

Early White Bush Patty Pan

The well-known summer variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c; postpaid.

Zucchini An Italian summer variety of bush habit. The fruits are oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with 5 ribs; color, marbled yellow and dark green stripes; quality fine. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25; postpaid.



Yellow Crookneck Squash

Golden Custard Bush form similar to the White Bush, but yellow and fine quality, being always tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c; postpaid.

Giant Yellow Crook-neck Fruit is large, bright yellow and covered with warts. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00; postpaid.

Mammoth White Bush

Quite similar to the Early White Bush, from which it was originally selected. It differs in being about a third larger and more uniform in shape; color a beautiful waxy white; the fruits are thick, the flesh tender and of the best quality. A very prolific bearer. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c; postpaid.

Yellow Summer Crook-neck A bush variety; early and prolific; surface deep yellow, densely warted; quality and flavor good. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00; postpaid.

SALSIFY (Oyster Plant)

CULTURE—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

Mammoth Sandwich Island

This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00; postpaid.

TURNIP AND RUTABAGA

CULTURE—Spring sowing should be put in early, so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about $\frac{1}{2}$ inch. Sow 1½ pounds to the acre in drills, 2 pounds broadcast.

Extra Early White Milan The earliest turnip. Tops very small, distinctly strap-leaved and growing very erect. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c; postpaid.

Extra Early Purple Top Milan A white variety, purple top and strap-leaf. This, with the White Milan, is the earliest of all turnips. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c; postpaid.

Dixie Land A winter variety, large white bulbs. Sow in August for winter use. They stand the coldest weather. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c; postpaid.

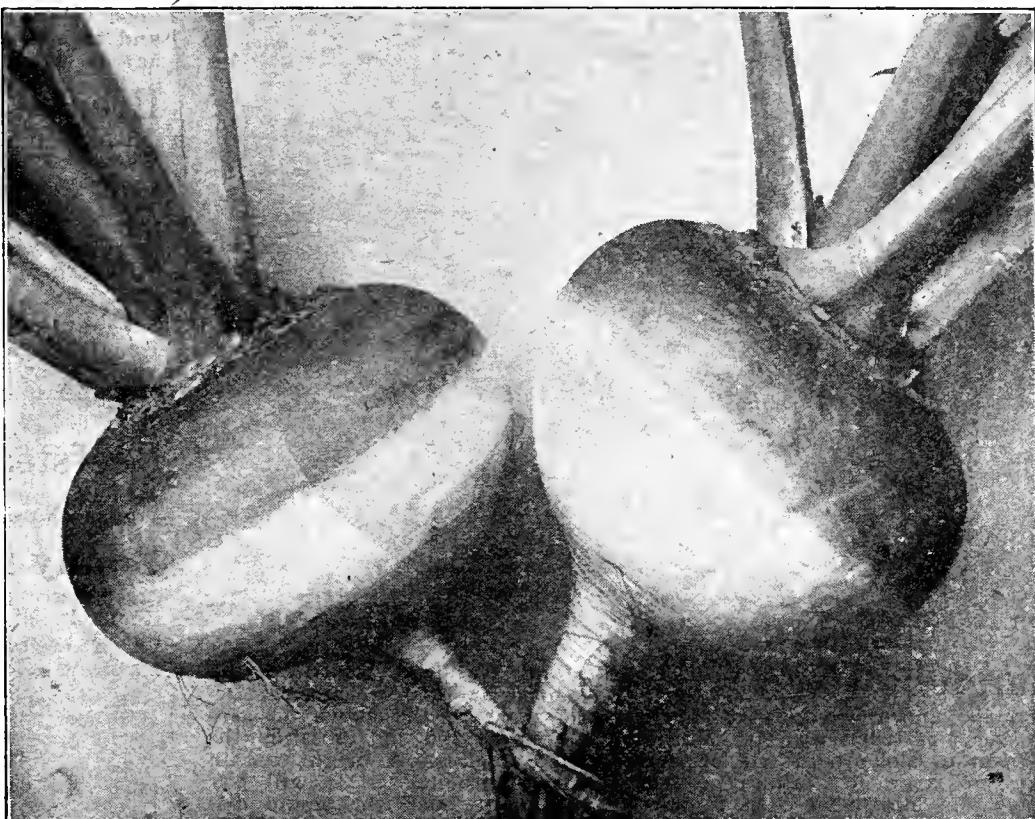
Large Amber Globe Of large size, globe-shaped, solid yellow flesh; green top. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

Long White Cow Horn A long white turnip, 12 to 15 inches in length, 2½ inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c; postpaid.

Large White Globe A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine-grained, maturing in about 75 days. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

R.-H. Co.'s American Red Top Globe Grown for us on contract from our own special seed stock. A perfect globe-shaped with bright red or purple top and snow-white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c; postpaid.

R.-H. Co.'s Mixed Turnips A general mixture; very desirable; produces greens and turnips early and late; fine for home gardens. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.



Mammoth Purple Top White Globe

Mammoth Purple Top White Globe One of the handsomest and most salable turnips. It is a large, rapid-growing sort, being ready for the table or market in about 65 days, with globular-shaped roots. Flesh pure white and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

Red or Purple Top Strapleaf Flat white, with purple top. Fine-grained and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

Shogoin or Japanese Louse Resistant Turnip A new variety that is becoming very popular in the South. Especially valuable for turnip greens, which are always in good demand during the late spring and summer months in the South. The leaves grow upright, about 2 feet high when fully developed, which make it practically free from insect attacks. The roots are pure white, between flat and globe in shape; however, this wonderful new sort is more largely planted for the tops than the roots. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 80c; postpaid.

Southern Seven Top The old standard popular salad variety, grown extensively for this purpose. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

White Flat Dutch Strapleaf An extra early pure white, flat growing variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

White Egg A quick-growing, egg-shaped, pure white variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

Yellow Aberdeen Purple Top A splendid variety with firm, solid, yellow meat. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

RUTABAGA

CULTURE—Sow in drills or broadcast in June, July and August.

Improved Purple Top Yellow The finest and most profitable of all yellow, purple-top Rutabagas, being the hardest, heaviest, best shaped and most productive. The flesh is of a beautiful yellow color, of the choicest quality. Matures in 95 days. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c; postpaid.

For Aphid or Lice on Turnips

Use Powdered Tobacco. Dust the young plants early in the morning, while the dew is on them. 1 lb. 15c; 2 lbs. 25c; 5 lbs. 50c; 25 lbs. \$1.50. By parcel post, 1 lb. 25c; 2 lbs. 40c; 5 lbs. 65c.

Rutabaga

RUSSELL-HECKLE

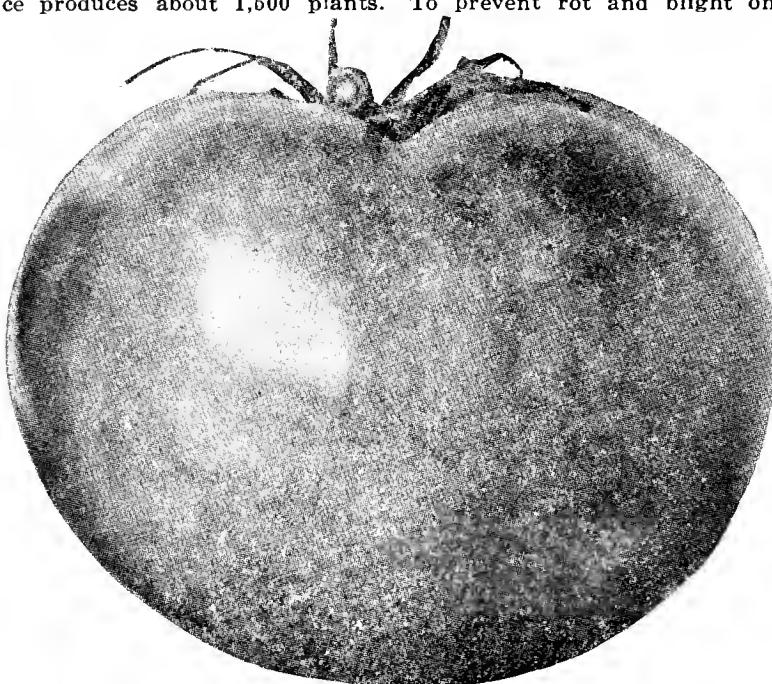
TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN

R.-H. Co.'s TOMATOES

CULTURE—The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of April the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants, spray with Pyrox when first fruits have set.



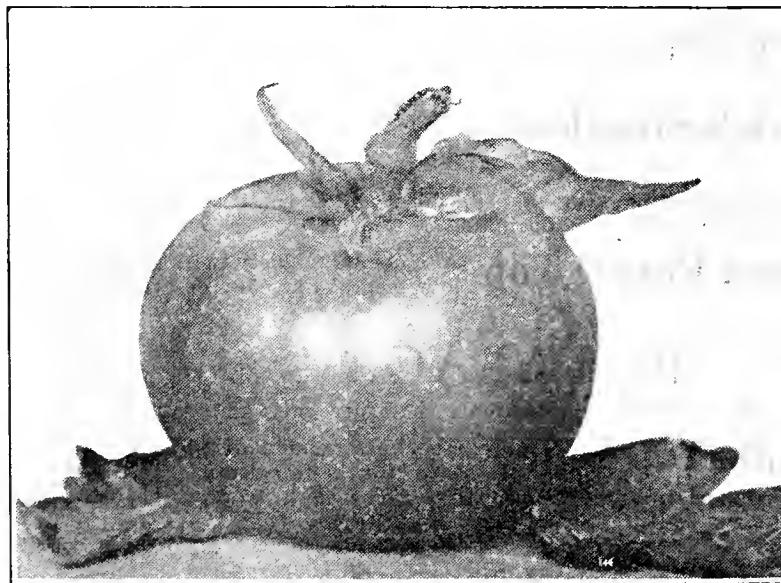
Marglobe

Marglobe (New) The Wilt and Nailhead Rust-Resisting Sort. Developed by the Agricultural Department and thoroughly tested in sections where the above diseases are very destructive. The Marglobe was produced by crossing the Livingston Globe with one or more other varieties. A bright red in color, of large size, almost round, and very productive. It will pay to try the Marglobe, even if you are not bothered with tomato diseases. It is very promising. Pkt. 5c; oz. 35c; 1/4 lb. \$1.00; 1 lb. \$3.25; postpaid.

Certified Marglobe This is a special stock of Marglobe Tomato, certified by the proper authorities. The field where this is grown has been under the most rigid and careful inspection to see that the variety is pure and free of all diseases. The original seed was furnished to our grower by Prof. Pritchard of the United States Government Experimental Farm. Truckers and growers wanting the best should avail themselves of this Certified Marglobe Tomato. We are pleased to advise we can supply Certified Marglobe Tomato this season. Pkt. 10c; oz. 50c; 1/4 lb. \$1.25; 1 lb. \$4.50; postpaid.

Earliana A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder. Smooth, always round and good first size. Flesh is very thick, firm and solid, with few seeds. Good shipper; does not crack. Pkt. 5c; oz. 25c; 1/4 lb. 75c; 1 lb. \$2.25; postpaid.

Burpee's Dwarf Giant A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant, a beautiful purple variety. Pkt. 10c; oz. 50c; 1/4 lb. \$1.25; 1 lb. \$4.00; postpaid.



Gulf State Market

Pyrox

Spray Tomatoes with it and prevent blossom-end rot and worms. 1-lb. jar 50c; 5 lbs. \$1.75.
Nicotine Pyrox, 10-oz. jar 50c; f. o. b. Memphis. Not mailable.

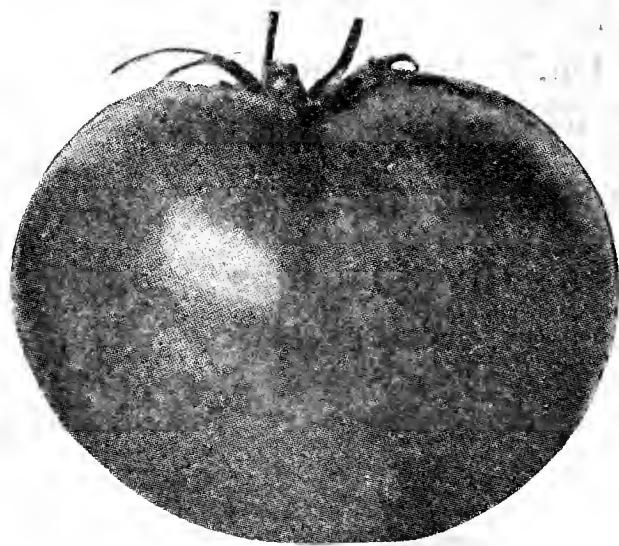
Early Acme Early and bears fruit until cut off by frost. Fruit is purplish-pink, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. Pkt. 5c; oz. 30c; 1/4 lb. 90c; 1 lb. \$3.00; postpaid.

Break-O-Day This extra early Wilt Resistant Tomato was also developed by Prof. Pritchard of the U. S. Department of Agriculture at Washington. Break-O-Day is earlier than Marglobe, of deep globe shape and a good, bright red color; very solid and with few seeds; does not crack; therefore makes a fine market and shipping tomato. Ripens with Earliana and Bonny Best. Break-O-Day Tomato is the new early Wilt Resistant variety that you surely want to plant for early market. Pkt. 10c; oz. 60c; 1/4 lb. \$1.50; 1 lb. \$4.75; postpaid.

Certified Break-O-Day A special selected strain of this new extra early Wilt Resistant Tomato, grown under the supervision of experts and inspected and certified by the New Jersey State Board of Plant Control. It pays to plant certified seed. Pkt. 15c; oz. 80c; 1/4 lb. \$2.00; 1 lb. \$6.50; postpaid.

Beefsteak Large fruit, 4 to 5½ inches across, nearly always perfectly smooth, glossy, bright red flesh. Very solid; excellent quality, few seeds; ripening up to stem; good keeper and a good shipper. Pkt. 10c; oz. 50c; 1/4 lb. \$1.50; 1 lb. \$4.50; postpaid.

Bonny Best An early variety maturing a little later than Earliana. Fruit medium size, color bright scarlet, exceedingly smooth, handsome shape; ripens evenly close up to the stem. It is very prolific and we recommend it as a first-class sort. Pkt. 5c; oz. 25c; 1/4 lb. 75c; 1 lb. \$2.25; postpaid.



Early Detroit

Early Detroit The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. The fruits are of good size throughout the season. Pkt. 5c; oz. 35c; 1/4 lb. \$1.00; 1 lb. \$3.50; postpaid.

Brimmer A great, big, solid red Tomato, 15 to 16 inches in circumference, weighing 2 to 2½ pounds each. It is all meat, very few seeds. The vines bear a tremendous load of fruits right up to frost and the fruits continue large until the end of the season. They are bright red, smooth and will not crack. Pkt. 10c; oz. 60c; 1/4 lb. \$1.50; 1 lb. \$4.50; postpaid.

Gulf State Market One of the finest early globe-shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep purplish-pink, smooth skin and free from cracks. Pkt. 5c; oz. 35c; 1/4 lb. \$1.00; 1 lb. \$3.50; postpaid.

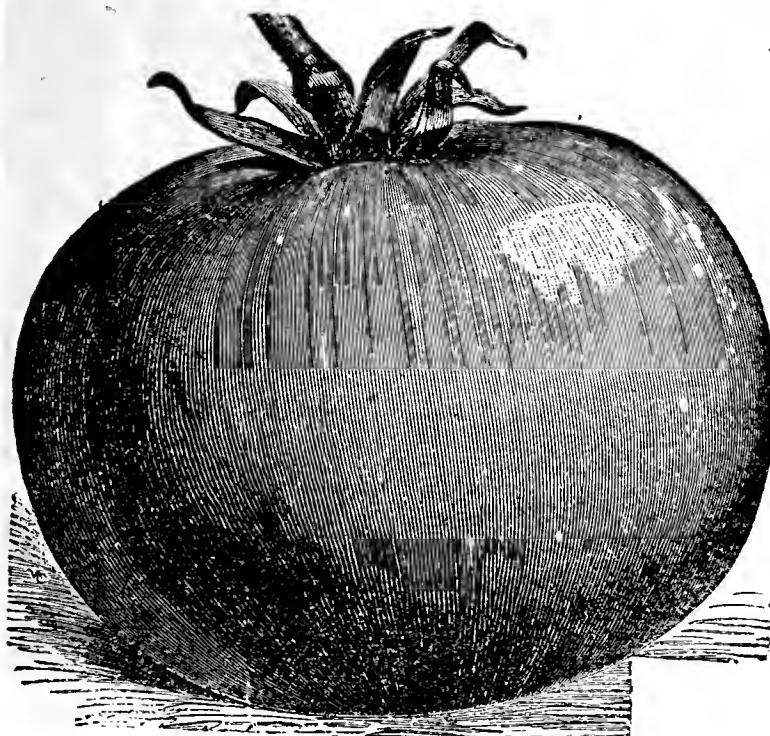
Special Stock Gulf State Market This seed is more carefully selected by the grower and is of the very highest quality obtainable. Pkt. 10c; oz. 75c; 1/4 lb. \$2.00; 1 lb. \$5.50; postpaid.

Galvanized Tomato Stakes

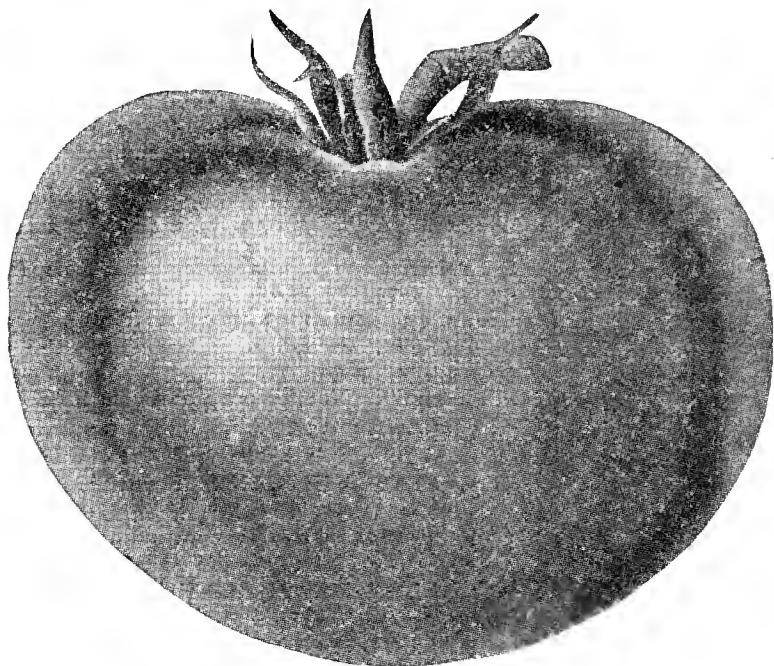
Made of heavy galvanized iron; durable, strong and convenient. They can also be used for Dahlias and other plants that require staking. Special prices as follows:

4½ feet high.....	Each 15c
5½ feet high.....	Each 16c

R.-H. Co.'s TOMATOES



Livingston's Globe



Stone

Livingston's Globe The Greatest Shipping Tomato Known. Not excelled by any other pink variety, and it is one of the best for the home garden, comes into bearing early, and keeps on bearing almost until frost. The fruits are of large size, always smooth, with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant and of delicious flavor. Fine for early growing on stakes or trellises. Almost blight-proof. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50; postpaid.

Special Stock Livingston's Globe This is the very best quality obtainable, sealed in original packages from the growers. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$5.75; postpaid.

Ponderosa, the Giant Tomato of the large-fruited varieties; this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight; tomatoes grow in beautiful uniform clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$4.75; postpaid.

Yellow Ponderosa Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance. Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$5.25; postpaid.

SMALL OR PRESERVING TOMATOES

RED PEAR SHAPED.....	Pkt. 10c; oz. 50c; postpaid
RED PEACH.....	Pkt. 10c; oz. 50c; postpaid
YELLOW PEAR.....	Pkt. 10c; oz. 50c; postpaid

GOOD TOMATO PLANTS

These are usually ready about April 1st. We can supply the following varieties:

EARLY DETROIT
LIVINGSTON'S GLOBE
PONDEROSA

GULF STATE MARKET
MARGLOBE
STONE

Hot Bed or Seedling Stock—Prices: Postpaid, 50, 40c; 100, 70c; 500, \$2.30. Not prepaid, doz., 10c; 50, 30c; 100, 50c; 500, \$2.00; 1,000, \$3.00.

Transplanted, Hot Bed Grown—Prices: Postpaid, doz., 30c; 50, 75c; 100, \$1.25; 500, \$4.75. Not prepaid, doz., 25c; 50, 60c; 100, \$1.00; 500, \$4.00; 1,000, \$7.50.

TOBACCO

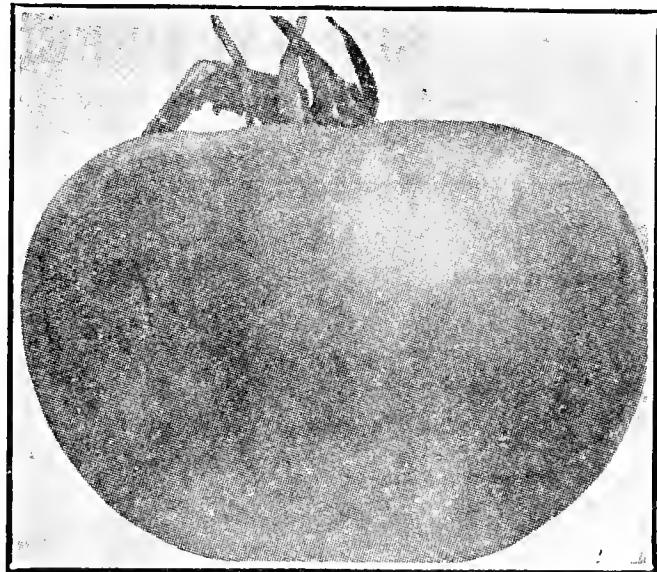
The seeds are sown in the spring. When these plants are almost 6 inches high, set out 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

HAVANA—Grown largely for wrappers of cigars.

CONNECTICUT SEED LEAF—An early variety, for smoking and chewing.

IMPROVED WHITE BURLEY—Fine for both chewing and smoking. Price of any of the above varieties: Pkt. 10c; oz. 40c; postpaid.

New Stone The Greatest of All Canning Tomatoes. The new Stone is always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth, and strong enough to stand shipping and long-distance hauling to perfection. Flesh is very solid and of finest flavor. Seed-cells are small and few. Livingston's Stone is recognized as one of the greatest canning tomatoes. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75; postpaid.



Ponderosa Tomato

HOTKAP PLANT PROTECTORS



Germâco

Hotkaps

New Method of
Plant Protection

Matures crops earlier; shields plants from wind, rain and light frosts; protects them from insects; keeps dirt soft—miniature "hot-houses." A revolutionary device that saves much in time, labor and money; 1,500 Hotkaps used on an acre, average.

Full directions in free circular.

Price, 100 with garden setter, \$2.50. By mail, \$2.75.

1,000 Hotkaps without setter, \$11.00.

"Trial Box," consisting of 250 Hotkaps with one new style garden setter made of fibre for \$4.00; by mail \$4.30. Garden setter alone, 50c; by mail, 60c.

HOTKAP SETTERS. Metal. Used when large quantities are set. \$2.50 extra; by mail, \$2.65.

MEMPHIS, TENN

SUMMER FLOWERING BULBS GLADIOLUS



America Gladiolus



Panama Gladiolus

CULTURE—Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs 6 to 9 inches apart, the large ones 4 inches and the small ones 2 inches deep. Make an early planting of the smallest bulbs first as soon as the ground is sufficiently dry and warm. Continue to plant at intervals of two weeks during the spring and early summer; in this way a succession of bloom may be had from midsummer until frost.

NAMED GLADIOLUS BULBS

AMERICA—Soft lavender pink, very fine. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.

ANNA EBERIUS—Dark velvety-purple. Doz. 70c; 100 \$4.00; postpaid. Not prepaid, doz. 60c; 100 \$3.75.

BARON HULOT—A really fine blue gladiolus, rich violet-blue. Doz. 75c; 100 \$4.50; postpaid. Not prepaid, doz. 65c; 100 \$4.25.

CHICAGO WHITE—White with lavender markings in throat. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.

EVELYN KIRTLAND—Beautiful rosy-pink with scarlet blotch on lower petals. Very showy. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.

E. J. SHALOR—New beautiful rose-pink, slightly ruffled. Doz. 50c; 100 \$3.00; postpaid. Not prepaid, doz. 40c; 100 \$2.75.

GOLDEN MEASURE—Rich yellow, large flowering, spike well filled with large blossoms. Doz. 85c; 100 \$6.00; postpaid. Not prepaid, doz. 75c; 100 \$5.75.

HALLEY—Delicate rose, with a white blotch. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.

LOS ANGELES—Shrimp pink with orange throat, very attractive. Doz. 75c; 100 \$5.00; postpaid. Not prepaid, doz. 65c; 100 \$4.75.

LOUISE—Beautiful lavender shade. Doz. 75c; 100 \$5.00; postpaid. Not prepaid, doz. 65c; 100 \$4.75.

MRS. FRANCIS KING—Produces immense flamingo-pink blossoms. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.

PANAMA—Darker pink than America and larger. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.

MRS. FRANK PENDLETON—Flushed salmon-pink. One of the most popular varieties with the florists. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.

SCHWABEN—Pure canary yellow, shaded sulphur-yellow. Doz. 60c; 100 \$3.75; postpaid. Not prepaid, doz. 50c; 100 \$3.50.

VIRGINIA—Rich, dazzling scarlet; makes a fine display. Doz. 60c; 100 \$3.75; postpaid. Not prepaid, doz. 50c; 100 \$3.50.

SPECIAL OFFER OF GLADIOLUS BULBS

Above 15 Varieties Postpaid on Receipt of Price—2 each, 15 varieties, 30 bulbs, \$1.25; 4 each, 15 varieties, 60 bulbs, \$2.40; 6 each, 15 varieties, 90 bulbs, \$3.50.



President Canna

MIXED GLADIOLUS BULBS

R.-H. CO.'S GIANT FLOWERING MIXED—Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz. 45c; 100 \$2.40; postpaid. Not prepaid, doz. 35c; 100 \$2.25; 500 \$9.00.

LILIES

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well-rotted cow manure, adding a liberal mixture of sand. Set the bulbs from 5 to 7 inches deep.

LILIUM SPECIOSUM ALBUM—Pure white flowers with a greenish band through the center of each petal. They are of great substance and very fragrant. One of the best for general culture. Each 55c; 3 for \$1.50; doz. \$5.40; postpaid. Not prepaid, each 50c; 3 for \$1.40; doz. \$5.20.

LILIUM AURATUM (The Golden Band Lily of Japan)—The flowers are pure white, while through the center of each petal runs a clear golden band. Each 45c; doz. \$4.25; postpaid. Not prepaid, each 40c; doz. \$4.00.

LILIUM RUBRUM—Petals are thickly dotted with rose or crimson spots and of graceful form and brilliant color. Each 45c; doz. \$4.25; postpaid. Not prepaid, each 40c; doz. \$4.00.

REGAL LILY—A real beauty, with large white flowers shading to yellow in the center, with a faint tinge of pink at the edges. Each 40c; 3 for \$1.10; doz. \$4.00; postpaid. Not prepaid, each 35c; 3 for \$1.00; doz. \$3.75.

LILIUM SUPERBUM (Nodding Lily; Turk's Cap Lily)—Gives a brilliant effect—bright orange-red, spotted brown; red anthers. Petals long, pointed and gracefully recurved 4 to 5 feet. Excellent for planting among shrubs. Each 30c; 3 for 80c; 12 for \$2.65; postpaid. Not prepaid, each 25c; 3 for 75c; 12 for \$2.50.

SELECT CANNA BULBS

HUNGARIA—The new pink Canna with green foliage, a beautiful shade of rose-pink; 4 feet. Each 20c; doz. \$1.50; postpaid. Not prepaid, each 15c; doz. \$1.25.

KING HUMBERT—Orange-scarlet, bronze foliage, 4 feet. Each 15c; doz. 90c; postpaid. Not prepaid, each 10c; doz. 75c.

YELLOW KING HUMBERT—Yellow dotted red, green foliage, height 4 feet. Each 15c; doz. \$1.00; postpaid. Not prepaid, each 10c; doz. 85c.

THE PRESIDENT—Bright crimson, very large flower, deep green foliage; 4 feet. Each 15c; doz. \$1.00; postpaid. Not prepaid, each 10c; doz. 85c.

SPECIAL OFFER

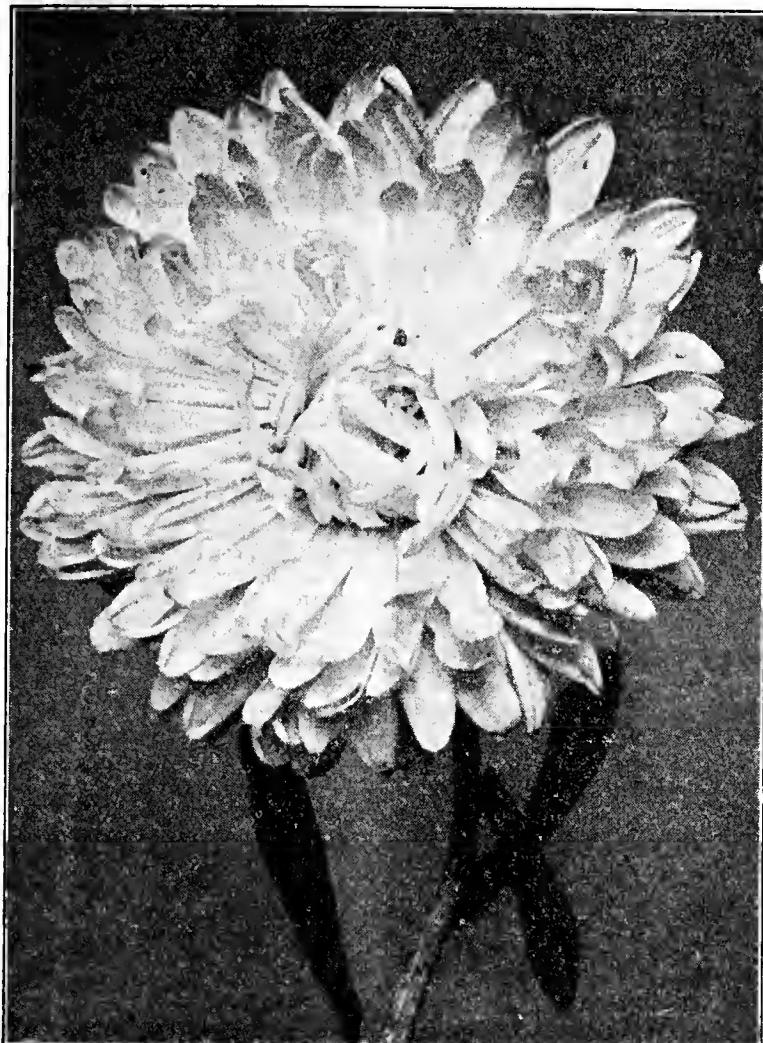
30 Canna Bulbs, only \$2.00
Ten each, Hungaria, President and King Humbert; regular value \$3.00. Special offer \$2.00; postpaid.

RUSSELL - HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN.

Fine Named Dahlias

The following are all first class varieties, the best of their color and well adapted to this section:



Dahlia

AMUNRA OR THE SUN GOD—Mammoth size flowers of gorgeous copper and orange, shading to gold and amber. A beautiful decorative Dahlia. Each 50c; 3 for \$1.40; postpaid.

BASHFUL GIANT—One of the largest Dahlias yet introduced; a giant exhibition, decorative type; apricot with golden shadings. Each 35c; 3 for \$1.00; postpaid.

BONNIE BRAE—A true decorative Dahlia, large soft rose pink, blending to cream in the center; much admired in the Dahlia garden. Each 50c; 3 for \$1.40; postpaid.

ELIZABETH SLOCUM—The brilliant purplish garnet color makes it a showy decorative variety. The immense flowers are unusually attractive. Each 35c; 3 for \$1.00; postpaid.

GLORY OF NEW HAVEN—One of the most beautiful decorative lavender shades; flower large size and produced on large stiff stems. Each 50c; 3 for \$1.40; postpaid.

JERSEY BEAUTY—Beautiful rose pink with silvery sheen; a fine, well-shaped decorative Dahlia. Each 50c; 3 for \$1.45; postpaid.

MRS. CHAS. H. BRECK—Cactus Dahlia of rich sulphur yellow. Each 35c; 3 for \$1.00; postpaid.

MRS. C. D. ANDERSON—Very striking, a showy giant crimson purple, described by some as a deep red; has long stiff stems. Decorative type, each 35c; 3 for \$1.00; postpaid.

MRS. I. DEVER WARNER—A Dahlia of great merit, a lovely deep mauve pink of perfect form, without exception a leader among the better decorative Dahlias. Each 50c; 3 for \$1.40; postpaid.

PRIDE OF CALIFORNIA—Mammoth rich American Beauty red decorative type. One of the most striking varieties of the crimson Dahlias. Each 35c; 3 for \$1.00; postpaid.

PURITY—A pure white decorative Dahlia of good form. Each 50c; 3 for \$1.40; postpaid.

SAGAMORE—Decorative rich amber gold, shaded to center salmon rose. Each 75c; 3 for \$2.00; postpaid.

Special Offer

One each of above 12 desirable named Dahlias, regular value \$4.65, sent postpaid for only \$3.30.

DAHLIA BULBS, Separate Colors

These are all first size large bulbs in the following colors:

DOUBLE PINK	DOUBLE SCARLET
DOUBLE WHITE	DOUBLE YELLOW
DOUBLE PURPLE	DOUBLE STRIPED

Each 20c; doz. \$1.75; postpaid. Not prepaid, each 15c; doz. \$1.50.

Peonies Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border. An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

Named Peonies Extra fine varieties, all well adapted for the South. These are extra fine large bulbs.

EUDULUS SUPERBA—Very early, bright clear pink, called the Decoration Day Peony. Each 40c; 3 for \$1.10; postpaid. Not prepaid, each 35c; 3 for \$1.00.

FESTIVA MAXIMA—This is the finest white. Each 35c; 3 for \$1.00; postpaid. Not prepaid, each 30c; 3 for 85c.

FELIX CROUSSE—Dazzling ruby red, large. Each 60c; 3 for \$1.50; postpaid. Not prepaid, each 50c; 3 for \$1.40.

KARL ROSENFIELD—Velvety-crimson, blooms of semi-rose type, very showy, beautiful flower. Each 60c; 3 for \$1.50; postpaid. Not prepaid, each 50c; 3 for \$1.40.

COURRONNE D'OR—Large white with cream yellow center and a ring of yellow stamens. Each 40c; 3 for 95c; postpaid. Not prepaid, each 30c; 3 for 85c.

PRESIDENT TAFT—Enormous pink, very fragrant, a grand flower. Each 85c; 3 for \$2.10; postpaid. Not prepaid, each 75c; 3 for \$2.00.

LORD KITCHENER—Cherry red, a showy color; flowers mid season. Each 85c; 3 for \$2.10; postpaid. Not prepaid, each 75c; 3 for \$2.00.

MEISSONIER—Very bright red, one of the best varieties for this section. Each 50c; 3 for \$1.10; postpaid. Not prepaid, each 40c; 3 for \$1.00.

Special Offer

One each of the above eight named Peonies, regular price \$4.55, sent postpaid on receipt of \$3.35.

Peonies to Color All showy bulbs, two to three good eyes. Double Crimson, Double Pink, Double White, Double Mixed. Each 30c; 6 for \$1.40; 12 for \$2.25; postpaid. Not prepaid, each 25c; 6 for \$1.25 12 for \$2.00.

Amaryllis The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. The most suitable soil is good loam, with one-fourth part of leaf-mold, or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until about September, when the plants should be kept cool and allowed to rest until February.

AMARYLLIS JOHNSONII—Crimson flower, each petal striped white. Each 50c; 3 for \$1.45; postpaid. Not prepaid, each 45c; 3 for \$1.25; 6 for \$2.10.

TUBEROSES

DOUBLE PEARL—Doz. 50c; 100 \$3.40; postpaid. Not prepaid, doz. 40c; 100 \$3.00.

ARMSTRONG'S EVERBLOOMING TUBEROSE—A single sweet-scented early-blooming variety; blooms longer than the double. Doz. 55c; 100 \$3.60; postpaid. Not prepaid, doz. 45c; 100 \$3.25.



Caladiums or Elephant Ears

CALADIUMS OR "ELEPHANT EARS"

CALADIUMS—Caladiums are most effective plants in cultivation for beds or for planting out upon the lawn. Small bulbs, each 15c; doz. 90c; postpaid. Not prepaid, by express, each 10c; doz. 75c.

Large bulbs, each 20c; doz. \$1.75; postpaid. Not prepaid, by express, each 15c; doz. \$1.50.

Mammoth bulbs, each 35c; doz. \$3.00; postpaid. Not prepaid, by express, each 25c; doz. \$2.50.

FALL BULBS

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

FLOWER SEEDS

CULTURAL DIRECTIONS

Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them when covered. Water frequently. A good plan is, sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later.

ALL PRICES ON FLOWER SEEDS Are Postage Paid.

Alyssum Six to 8 inches high a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in spring.

SWEET ALYSSUM—Pkt. 5c; oz. 35c.

GOLDEN YELLOW ALYSSUM—Hardy perennial, but blooms the first year from seed if sown early. Grows 12 inches high. Pkt. 10c; oz. 60c.

LITTLE GEM ALYSSUM—Three to 4 inches high; fine for borders. Pkt. 10c; oz. 50c.

Ageratum Very showy plants; bloom profusely the whole summer; fine as cut flowers; splendid for borders, ribbon beds, etc. Half-hardy annuals.

DWARF BLUE AGERATUM..... Pkt. 10c; oz. 50c

FINEST MIXED AGERATUM..... Pkt. 5c; oz. 45c

Amaranthus CAUDATUS—Love Lies Bleeding—Very attractive; 3 feet. Pkt. 5c; oz. 25c.

TRICOLOR—Very attractive annual, called Joseph's Coat. Pkt. 5c; oz. 50c.

CRUENTUS—Showy annual, known as Princess Feather. Pkt. 5c; oz. 35c.

Antirrhinum, or Snapdragon Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

TALL MIXED—Many colors. Pkt. 5c; oz. 60c.

DWARF MIXED—Many colors. Pkt. 10c; oz. \$1.25.

EMPEROR—A rich crimson Snapdragon. Pkt. 10c; oz. \$2.00.

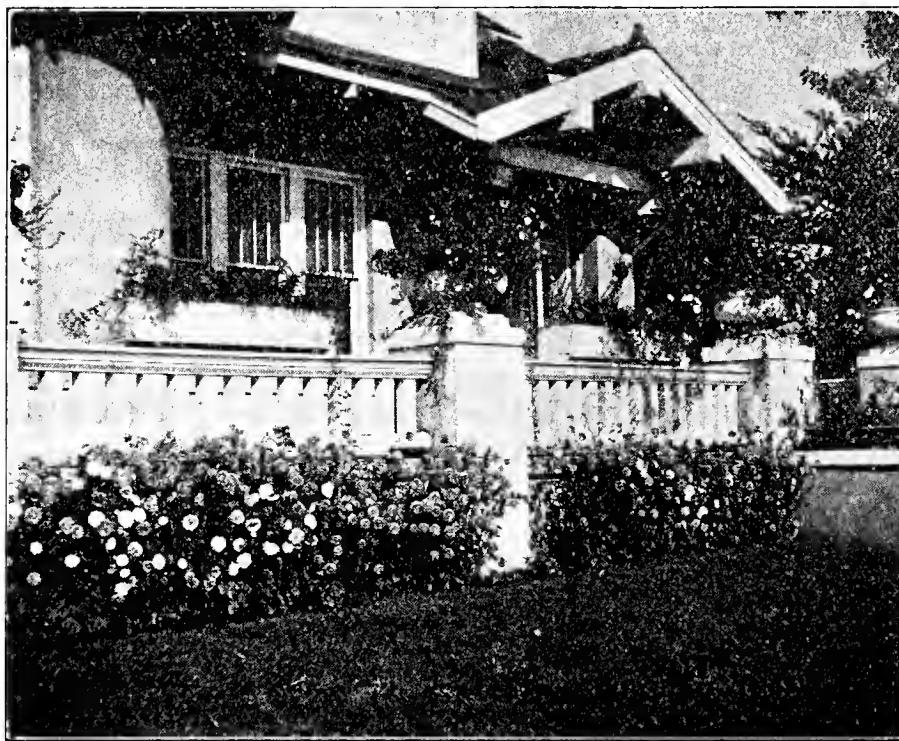
GOLDEN QUEEN—Beautiful golden-yellow. Pkt. 10c; oz. \$2.00.

SILVER PINK—Satiny pink. Pkt. 10c; oz. \$1.75.

African Daisy (Arctotis Grandis) It forms much-branched bushes 2 to 3 feet high; its Daisy-like flowers are pure white with a gold band surrounding a pale mauve or blue center. It is not only pleasing when open, but also when it closes at evening and displays its lilac-tinted undersides. Good cut flower. Pkt. 10c; oz. 90c.

Aster (The Sunshine) These have twisted and quilled petals, are very showy and attractive. All have a cushion center of tiny quills of a contrasting color, which makes the flower look as if it were covered with snowflakes. Their delicate beauty is hard to describe. Price packet mixed colors 15c; 4 pkts. 50c; oz. \$1.75.

Acroclinium (Everlasting Flower) A pretty everlasting, bearing graceful, daisy-like flowers, pretty bright rose and white with yellow centers, which, when cut in the bud state, can be dried and used for winter bouquets. Double mixed; 1 foot. Pkt. 10c; oz. 40c.



Every Home Should Have Flowers

Annuals are those flowers that attain their full growth, bloom and die the first year. Among these are Asters, Balsam, Cosmos, Zinnias, Mignonette, Sweet Peas, Nasturtiums, Morning Glories and other brilliant and fragrant sorts.

Perennials usually do not flower the first year, but live over until the second season and then bloom. They continue for many years after. These sorts constitute the "Hardy Flowers," such as Hollyhocks, Sweet William, etc.

Asters Very effective in beds or borders. **CULTURE**—Start the seed early indoors in boxes. Cover lightly and transplant to the open when danger of frost is over. **CHINA**—Aster, mixed colors. Pkt. 5c; oz. 75c.

GIANT COMET—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backwards. Mixed colors. Pkt. 10c; oz. \$1.25.

VICTORIA MIXED—Flowers very large and perfect. Pkt. 10c; oz. \$1.50.

ALL COLORS MIXED—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range and colors and shapes. Pkt. 5c; oz. \$1.00.

SEMPLE'S BRANCHING—Quite different in several respects from any other Aster; beautiful for cut flowers.

SEMPLE'S BRANCHING PURPLE ASTER..... Pkt. 10c; oz. \$2.00

SEMPLE'S BRANCHING PINK ASTER..... Pkt. 10c; oz. \$2.00

SEMPLE'S BRANCHING CRIMSON ASTER..... Pkt. 10c; oz. \$2.00

SEMPLE'S BRANCHING BLUE ASTER..... Pkt. 10c; oz. \$2.00

SEMPLE'S BRANCHING LAVENDER ASTER..... Pkt. 10c; oz. \$2.00

SEMPLE'S BRANCHING WHITE ASTER..... Pkt. 10c; oz. \$2.00

SEMPLE'S BRANCHING MIXED, ALL COLORS.... Pkt. 10c; oz. \$1.50

Balsam Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants to make the flowers more double.

DOUBLE MIXED—Pkt. 5c; oz. 50c.

Balsam Apple Round, pear-shaped fruit with very fine, glossy green foliage. This is a pretty climber. Pkt. 5c; oz. 40c.

Balloon Vine A rapid growing climber; thrives in light soil. Pkt. 5c; oz. 30c.

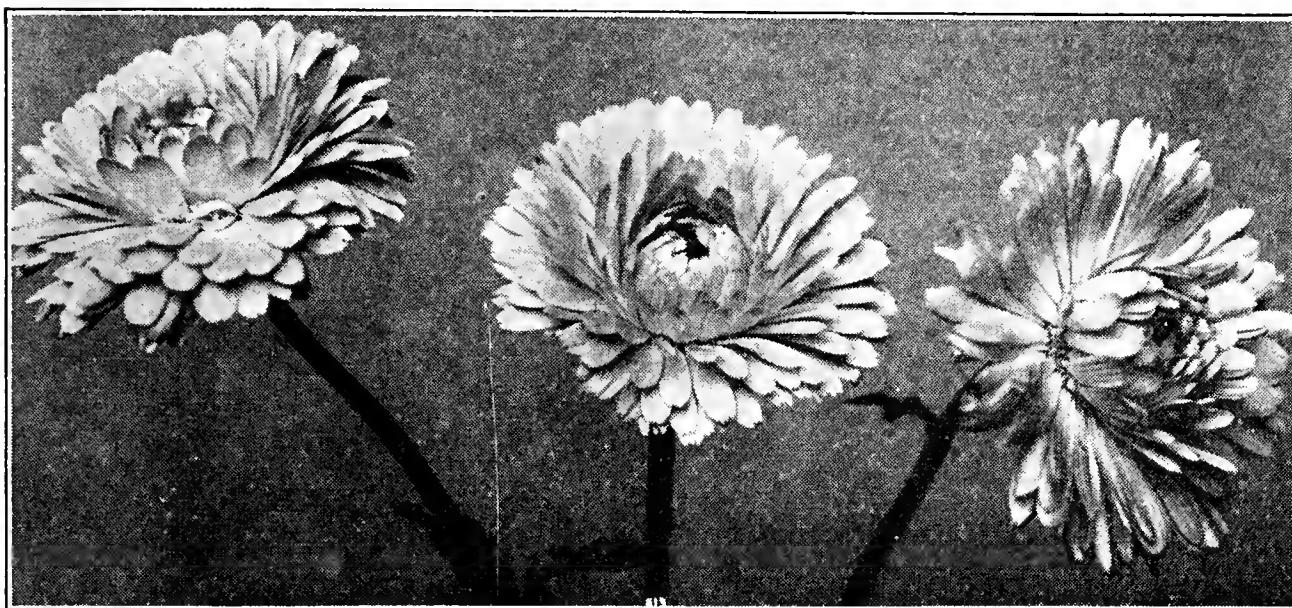
Bachelor's Button Mixed colors. Also called Globe Amaranth. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt. 5c; oz. 40c.

Blue Lace Flower A flower you cannot do without in your garden. Beautiful, large, lace-like flowers, similar to wild carrot, but of a lovely delicate azure-blue gracefully poised on long stems. Sow in the hotbed in March, and outdoors in May and again in June, and you can cut flowers until frost. Pkt. 10c; oz. \$1.50.

PRICES ON PACKET FLOWER SEEDS

Select any 6 five-cent packets for.....	25c
Select any 13 five-cent packets for.....	50c
Select any 27 five-cent packets for.....	\$1.00
Select any 3 ten-cent packets for.....	25c
Select any 7 ten-cent packets for.....	50c
Select any 15 ten-cent packets for.....	\$1.00
Select any 2 fifteen-cent packets for.....	25c

NO FURTHER DISCOUNTS ALLOWED ON THESE OFFERS



Calendula (Pot Marigold)

Canterbury Bells Handsome, hardy biennial of stately growth, rich color and profuse bloom; height 2 to 3 feet. Single mixed colors. Pkt. 5c; oz. 40c.

Candytuft The flowers are produced in clusters in a variety of colors. Very showy for borders or massing in beds. Pkt. 5c; oz. 20c.

Carnation Marguerite The flowers are large, double and very fragrant. Mixed colors. Pkt. 10c; oz. \$1.50.

Canna Ornamental, producing clusters of large flowers of the most brilliant colors. Soak seed for a day in warm water. Mixed colors. Pkt. 5c; oz. 35c.

Cardinal Climber A new and brilliant colored annual climber. Flowers glowing scarlet. Vines attaining a height of from 20 to 30 feet. Pkt. 10c; oz. \$1.50.

Chinese Woolflower Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower. Pkt. 10c; oz. \$1.50.

Cobea Scandens (Cup and Saucer Vine) A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped flower. Pkt. 5c; oz. 70c.

Coleus Probably the best known and most popular of ornamental foliage plants. Tender annual. Mixed colors. Pkt. 20c; 3 pkts. 50c.

Columbine Easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt. 5c; oz. 75c.

Cosmos Among the garden annuals that have come into prominence in recent years the Cosmos lead all. Seed sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

EARLY FLOWERING COSMOS— Mixed colors. Pkt. 5c; oz. 50c.

GIANT FLOWERING COSMOS— Mixed colors. Pkt. 5c; oz. 35c.

GIANT FLOWERING COSMOS— Pink. Pkt. 10c; oz. 40c.

GIANT FLOWERING COSMOS— Crimson. Pkt. 10c; oz. 40c.

GIANT FLOWERING COSMOS— White. Pkt. 10c; oz. 40c.

KLONDYKE YELLOW COSMOS— Pkt. 10c; oz. \$1.00.

Cypress Vine Rapid climber, bearing an abundance of star-like flowers; fine for trellises and arbors.

RED CYPRESS VINE—Pkt. 10c; oz. 50c.

MIXED CYPRESS VINE—Pkt. 5c; oz. 30c.

Cynoglossum (Chinese Forget-me-Not)

AMABILE—An annual recently introduced from China; of the easiest culture, forming strong plants 18 to 24 inches high and producing through the summer months sprays of intense blue Forget-Me-Not-like flowers, delicately sweet scented. Pkt. 10c; oz. 50c.



Cosmos

Calendula (Pot Marigold) Very hardy annual; 1 foot high. Have showy double flowers blooming until frost and producing fine effect in borders.

ORANGE KING—This Calendula enjoys great popularity with many gardeners. Its outstandingly rich orange flowers are borne throughout the summer and fall. The blooms are fully double, well rounded, and carried on fine long stems. A beautiful golden yellow color. Excellent for winter blooming. Pkt. 10c; oz. 50c.

LEMON QUEEN—A lovely companion to Orange King, with flowers of equally large size. The color is an intense rich lemon-yellow of great brilliancy. Blooms very freely and is by far the best lemon Calendula in existence. Pkt. 10c; oz. 50c.

MIXED CALENDULA—All double sorts. Pkt. 5c; oz. 25c.

Calliopsis Showy, beautiful free-flowering annuals, excellent for cutting and massing. Mixed colors. Pkt. 5c; oz. 35c.

Canary Bird Vine A beautiful climber with curiously shaped little canary-colored blossoms. Tender annual. Pkt. 5c; oz. 40c.



Cockscomb Celosia

Cockscomb Celosia The finest type of the feathered cockscomb. Huge plumes of crimson flowers. Dwarf sorts. Pkt. 10c; oz. \$1.50.

Cornflower Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

SINGLE MIXED CORNFLOWER..... Pkt. 5c; oz. 50c

SINGLE BLUE CORNFLOWER..... Pkt. 10c; oz. 50c

SINGLE PINK CORNFLOWER..... Pkt. 10c; oz. 50c

DOUBLE MIXED CORNFLOWER..... Pkt. 10c; oz. 50c

DOUBLE BLUE CORNFLOWER..... Pkt. 10c; oz. 50c



Coreopsis

Coreopsis Fine for cutting; graceful flowers. Pkt. 5c; oz. 40c.

Dahlia This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits and produce in great abundance flowers of immense size, of the most bewildering variety of coloring.

DOUBLE MIXED DAHLIA—Pkt. 10c; oz. \$2.00.

SINGLE MIXED DAHLIA—Contains many desirable shades and markings. Pkt. 10c; oz. 75c.

Daisy They love a shady place and will reward the gardener with a mass of blooms if left undisturbed.

DOUBLE MIXED DAISY—Pkt. 10c; oz. \$2.00.

SHASTA DAISY—Pure white; gigantic; will bloom in six months from seeding. Pkt. 10c; oz. \$1.25.

Escholtzia (California Poppy) A genus of the poppy family. Hardy annuals; height 1 foot.

MIXED ESCHOLTZIA—All colors. Pkt. 5c; oz. 30c.

GOLDEN WEST ESCHOLTZIA—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt. 5c; oz. 35c.

SALMON BEAUTY ESCHOLTZIA—A beautiful shade of glorious salmon pink. Very attractive. Pkt. 10c; oz. 45c.

Euphorbia (Snow on the Mountain) An exceedingly ornamental plant. Used as a background for low-growing plants. The foliage is light green with white margin; 2 feet high. Pkt. 5c; oz. 50c.

Forget-Me-Not Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. Pkt. 5c; oz. 80c.

Foxglove (Digitalis) Grows to the height of 3 to 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt. 5c; oz. 60c.

Four O'Clock (Marvel Peru) Mixed. The flowers open about 4 o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. Pkt. 5c; oz. 20c.



Helichrysum

Job's Tears An ornamental grass with curious shaped seeds, which may be used as beads; height 2 to 3 feet. Pkt. 5c; oz. 25c.

Kochia or Summer

Cypress Grows quickly from seed sown in the open ground. The bushy plants in the fall resemble balls of fire. Makes a good summer hedge. Pkt. 5c; oz. 35c.

Lupinus (Blue Bonnet)

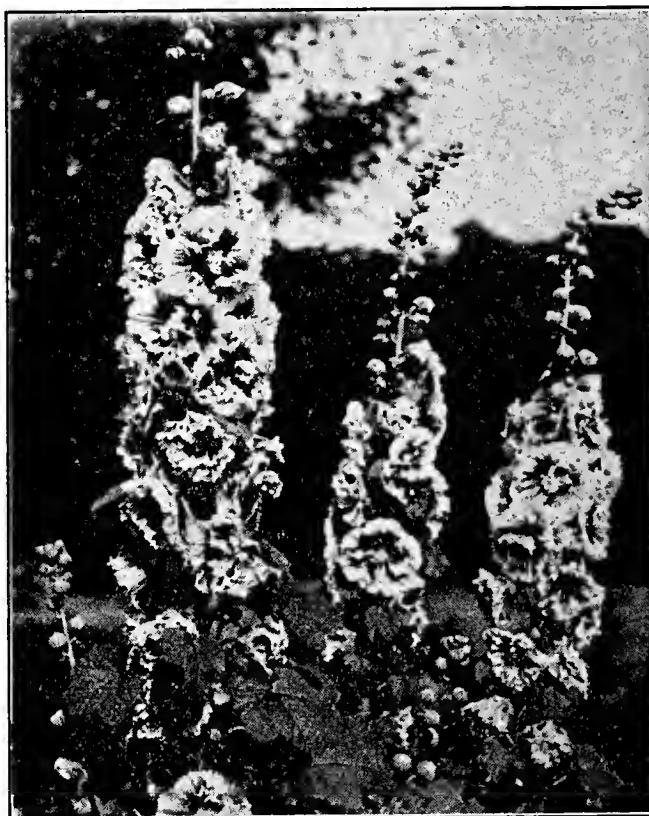
Commonly called Texas Blue Bonnet. Very pretty blue flowers; plant grows about 12 inches high.

Sow seed early in the spring; keep well watered.

A bed of Lupinus will make a grand show, the long, stately spikes being carried on strong bushes and are very attractive.

Pkt. 10c; oz. 30c.

LUPINUS—Hardy perennial; excellent for cutting. A hardy showy perennial. Mixed colors. Pkt. 10c; oz. 60c.



Hollyhocks

Gaillardia Blanket flower, showy and excellent for beds or for cutting. Hardy annual, $\frac{1}{2}$ foot high, mixed. Pkt. 5c; oz. 75c.

Globe Amaranth (Bachelor's Button) A single plant will produce several hundred flowers. Mixed colors. Pkt. 5c; oz. 35c.

Godetia An attractive annual; grows $2\frac{1}{2}$ feet in height; produces showy blossoms in all varied colors. Fine as a cut flower.

TALL CARMINE GODETIA—Pkt. 10c; oz. \$1.50.

TALL PINK GODETIA—Pkt. 10c; oz. \$2.00.

Gourds A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 feet high. Mixed. Pkt. 5c; oz. 35c.

Gypsophila (Baby's Breath) Graceful, free-flowering plant, forming a symmetrical bush, covered with loose panicles of flowers; excellent for cutting and mixing in bouquets. Pkt. 5c; oz. 25c.

Helichrysum Hardy annual everlasting flower; large double blooms, called the Straw Flower; mixed colors. Pkt. 5c; oz. 40c.

Heliotrope Will bloom as easily from seed as any of the common annuals. Pkt. 10c; oz. \$1.50.

Hyacinth or Jack Bean A rapid-growing annual climber; mixed; all colors. Pkt. 5c; oz. 20c.

Hollyhocks Our seeds have been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

DOUBLE BRIGHT RED HOLLYHOCK..... Pkt. 10c; oz. \$1.50

DOUBLE CLEAR PINK HOLLYHOCK..... Pkt. 10c; oz. \$1.50

DOUBLE PURE WHITE HOLLYHOCK..... Pkt. 10c; oz. \$1.50

DOUBLE GOLDEN YELLOW HOLLYHOCK..... Pkt. 10c; oz. \$1.50

DOUBLE MIXED ALL COLOR HOLLYHOCKS..... Pkt. 10c; oz. \$1.25

Ice Plant A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt. 5c; oz. 50c.



Kochia or Summer Cypress

RUSSELL - HECKLE TOP NOTCH SEEDS COMPANY

MEMPHIS, TENN

Kudzu Vine A rapid growing hardy climber of great merit, growing 8 to 10 feet the first season from seed. Flowers are pea-shaped, of a rosy-purple color.
Pkt. 10c; oz. \$1.00.

Lantana The plants form small shrubs, producing in late summer and autumn heliotrope-like clusters of single fragrant flowers that change color. Succeeded by green berries that turn to a deep blue. Start under glass and transplant when danger of frost is over. May also be grown in pots. Tender perennial; about two feet high. Finest Hybrids mixed, pkt. 10c; oz. 75c.

Larkspur (Annual) For bedding, for growing among shrubbery and as cut flowers, larkspurs are strikingly beautiful. Early spring plantings will give blooms from July till frost, but several plantings are recommended. Transplant 12 inches apart. Height 2 feet, all double flowers.

LA FRANCE LARKSPUR—Very bright pink with large blooms.. Pkt. 10c; ½ oz. 50c; oz. 75c

LOS ANGELES LARKSPUR—A pleasing shade of salmon pink;

new and very desirable..... Pkt. 15c; ½ oz. 75c; 1 oz. \$1.25

SKY BLUE LARKSPUR..... Pkt. 10c; oz. 60c.

PURE WHITE LARKSPUR..... Pkt. 10c; oz. 60c.

ROSY SCARLET LARKSPUR..... Pkt. 10c; oz. 60c.

SHELL PINK LARKSPUR..... Pkt. 10c; oz. 60c.

FINEST MIXED LARKSPUR..... Pkt. 5c; oz. 50c.

Larkspur-Delphinium (Perennial) Stately plants. Their large flower spikes, that are raised freely over the decorative foliage, often reach a length of 2 feet or more. Fine for borders. Start seed early in hotbeds or indoor boxes or sow in August. Transplant when 2 to 3 inches high.

LIGHT BLUE PERENNIAL LARKSPUR..... Pkt. 15c; 2 pkts. 25c.

DARK BLUE PERENNIAL LARKSPUR..... Pkt. 15c; 2 pkts. 25c.

MIXED COLORS PERENNIAL LARKSPUR..... Pkt. 10c; 3 pkts. 25c.

Lobelia A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt. 5c; oz. \$1.00.

Marigold Hardy annuals, in bloom till frost comes.

ORANGE PRINCE MARIGOLD—Rich deep golden-yellow. Very large. Pkt. 10c; oz. \$1.00.

LEMON QUEEN MARIGOLD—Soft lemon-yellow; a beautiful shade. Pkt. 10c; oz. \$1.00.

TALL MIXED MARIGOLD—Immense flowers, double; primrose, lemon, orange and golden shades. Pkt. 5c; oz. 45c.

DWARF MIXED MARIGOLD—Fine for edging and bedding; mixed colors. Pkt. 5c; oz. 50c.



Larkspur



Marigold

Mignonette A well known hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost.

SWEET MIGNONETTE—Pkt. 5c; oz. 25c.

Moon Flower A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

WHITE MOONFLOWER—Pkt. 10c; oz. 45c.

BONA NOX—Blue Moon Flower. Large and fragrant. Pkt. 10c; oz. 75c.

Morning Glory A hardy climbing annual, growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings.

CHOICE MIXED MORNING GLORY—All colors. Pkt. 5c; oz. 10c.

JAPANESE MIXED—New Improved Japanese Convolvulus flower, measuring from 4 to 5 inches across; great variety of colors. Pkt. 5c; oz. 20c.

Nigella Also called Devil in a Bush. Curious-looking flowers and foliage; mixed colors. Pkt. 10c; oz. 25c.



Nasturtium

Do Not Delay Ordering until you are ready to use the goods you want. It will prove economical often to anticipate your wants. The loss of time in planting by delays of transportation companies, also advances in prices, should show the wise buyer that it is to his interest to order early.



Pansies

NASTURTIUMS

No annual will produce such a lavish profusion of blooms for so long a time, and such variety and brilliance of color as Nasturtiums. They bloom best in poor soil; the richer the soil the fewer the blooms. Hardy annual.

DWARF CHOICE MIXTURE—A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. 85c; postpaid.

CHOICE TALL MIXED—Large flowers, the plants producing a profusion of bloom. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 75c; postpaid.

R.-H. Co.'s Giant Flowered Nasturtium We have put into these mixtures the cream of the standard and all the newest varieties of distinct merit. The colors vary from pearly white to almost black; every intermediate color is represented, giving the richest combination of colors ever offered in Nasturtiums.

R.-H. CO.'S GIANT FLOWERED DWARF NASTURTIUM—Mixed colors. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

R.-H. CO.'S GIANT FLOWERED TALL NASTURTIUM—Mixed colors. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

Pansies These popular flowers thrive best on a cool, moist but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

PANSY, CHOICE—A splendid mixture of many very fine varieties. Pkt. 5c; oz. \$1.00.

PANSY (Mammoth Flowering, Mixed)—A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt. 10c; oz. \$1.50.

Portulaca Also called Rose Moss. Beautiful little plants which will bloom profusely all summer. Their richly colored flowers make an effective and brilliant display when planted in large beds and masses. Hardy annual, ½ foot.

SINGLE MIXED PORTULACA Pkt. 5c; oz. \$.60

DOUBLE MIXED PORTULACA Pkt. 10c; oz. \$2.50

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



Mammoth Flowering Petunia

Petunias Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. Height 1½ feet.

BALCONY—A splendid large and free-flowering type, either for vases, hanging baskets or window boxes; flowers average 3 inches across, making a very effective display. Mixed colors. Pkt. 20c; 3 pkts. 50c.

COUNTESS OF ELLSMERE—Single deep rose-pink with white throat; desirable bedding variety. Pkt. 10c; oz. \$1.50.

GENERAL DODD—Single, deep rich velvety-red; fine bedder. Pkt. 10c; oz. \$1.50.

ROSE OF HEAVEN—Dwarf sort; compact in growth; a rich pink color. Pkt. 10c; oz. \$2.50.

ROSY MORN PETUNIA—Soft carmine-pink with white throat; fine for borders, being free-flowering and showy. Pkt. 10c; ½ oz. \$1.25; oz. \$2.25.

STRIPED AND BLOTTCHED—Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt. 10c; oz. \$2.00.

VIOLET PURPLE—A beautiful shade of purple; very showy. Pkt. 10c; oz. \$2.00.

CHOICE SINGLE MIXED—Good mixture of all free-blooming colors. Pkt. 5c; oz. 60c.

MAMMOTH FLOWERING—Large flowering Grandiflora, all colors mixed, single fringed and ruffled. Pkt. 10c; oz. \$1.25.

GIANT OF CALIFORNIA MIXED COLORS—A special strain of this popular Giant flowered Petunia. The flowers measure up to 6 inches across and come in many lovely shades and markings generally beautifully veined. Not quite such profuse bloomers as their smaller flowering sisters, but the enormous size of the flowers more than outweigh this disadvantage. Pkt. 25c.

DOUBLE MIXED—Will come 70 per cent double from seed. Finest mixed. Pkt. 25c.



Double Diadem Pinks

Phlox Drummondi

The annual Phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

FIREBALL—Flowers large, blood-red. Pkt. 10c; oz. \$1.50.

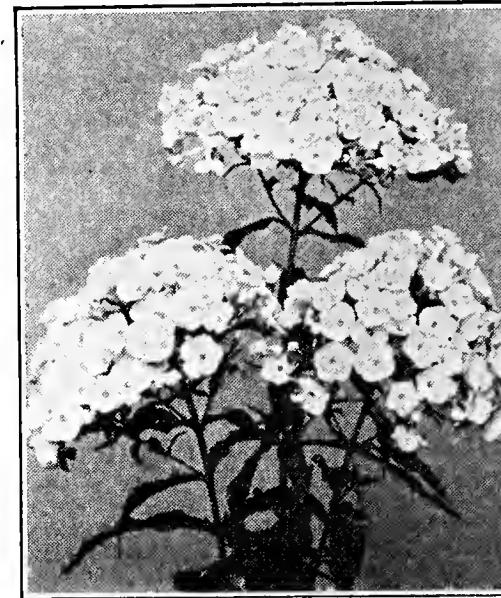
SNOWBALL—Large, clear white flower. Pkt. 10c; oz. \$1.50.

STAR OF QUEDLINBURG—Large flowers with curiously pointed and toothed blossoms having a star-like form, mixed colors. Pkt. 10c; oz. \$1.50.

CHOICE MIXED—Contains fine select varieties of this showy annual. Pkt. 5c; oz. 80c.

MAMMOTH FLOWERING MIXED—Pkt. 10c; oz. \$1.25.

PERENNIAL MIXED COLORS—Pkt. 10c; oz. \$2.50.



Snowball Phlox

Pinks (Dianthus) Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

CHINA DOUBLE MIXED—A beautiful combination of colors. Pkt. 5c; oz. 50c.

CLOVE PINK PLUMARIS—The flowers are large, borne in a great variety of colors and markings, with fringed edges; sweet-scented, spicy fragrance. They are excellent, hardy plant Pkt. 10c; oz. \$1.50.

DOUBLE DIADEM—A most brilliant mixing of colors of bewildering beauty. Pkt. 5c; oz. 80c.

HEDDEWIGII DOUBLE MIXED PINK—Flowers very large and double and of various shades of brilliant colors. Pkt. 5c; oz. 60c.

PHEASANT'S EYE OR GRASS PINK—A single hardy perennial pink with light-colored flowers which have a dark center. Pkt. 10c; oz. \$1.00.



Shirley Poppies

Poppies Of very easy culture and they furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order, and the annual varieties will flower from June on for some weeks.

FLANDERS—Vivid red, well known Poppy of Flanders..... Pkt. 10c; oz. 60c.

DOUBLE FINE MIXED—A combination of all varieties, single and double flowers. Pkt. 5c; oz. 35c.

DOUBLE CARNATION FLOWERED—Extra large and double..... Pkt. 5c; oz. 25c.

DOUBLE PEONY FLOWERED—Annual variety; mixed; large, full, double fringed flowers. Pkt. 5c; oz. 25c.

SHIRLEY—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt. 5c; oz. 35c.

DOUBLE SHIRLEY—A new double Shirley..... Pkt. 10c; oz. 75c.

DOUBLE SALMON PINK—A showy pink color with double flowers. Pkt. 10c; oz. 50c.

DOUBLE RED POPPY—Fine scarlet shade..... Pkt. 10c; oz. 50c.

ICELAND POPPY MIXED—Dwarf perennial with single flowers in white, yellow and orange colors. Pkt. 10c; ½ oz. 75c.

ORIENTAL POPPY—Perennial, about 3 feet high, with large conspicuous double crimson flowers. Pkt. 10c; ½ oz. 75c.

DESIRABLE PLANTS FOR SHADY LOCATIONS

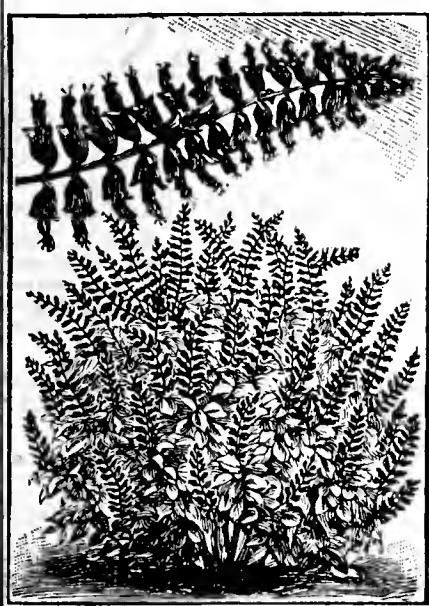
Antirrhinum, Canterbury Bells, Coreopsis, Digitalis, Pansies, Poppies (hardy), Aquilegia, Daisies and Delphinium.

PLANTS FOR BASKETS, VASES, VERANDA BOXES

Alyssum, Dusty Miller, Centaurea, Lobelia, Nasturtium, Petunia, Coleus, Heliotrope, Pansy and Thunbergia.

RUSSELL - HECKLE TOP NOTCH SEEDS COMPANY

MEMPHIS, TENN.



Salvia Scarlet Sage

plants in cultivation; the leaves when touched instantly fold up.
Pkt. 5c; oz. 60c.

Statice Also called Sea Pinks. They are extremely showy, with large clusters of blooms carried on graceful stems. Succeed most anywhere. Annual variety mixed colors.
Pkt. 10c; oz. 35c.

Scarlet Runner Beans A great favorite as an ornamental climber; has bright scarlet sprays of pea-shaped blossoms. Pkt. 5c; oz. 15c.

Stocks (Gilliflower) Useful annuals for bedding, borders, cut-flowers and pot culture.

LARGE FLOWERING TEN WEEKS—A fine large-flowering strain of many colors. Pkt. 10c; oz. \$1.00.

Sunflower Tall growing plants, with large and showy yellow flowers; hardy annuals.

DOUBLE DWARF—4 feet. Pkt. 5c; oz. 40c.
GLOBE OF GOLD—4½ feet. Pkt. 5c; oz. 35c.

DOUBLE TALL—7 feet. Pkt. 5c; oz. 35c.

Sweet Sultan Fairly covered with beautiful scented blooms that will keep fresh for days. If planted at intervals, a constant succession of blooms may be had throughout the summer and fall; height, 2½ feet; easy to grow. H. A. Mixed colors. Pkt. 5c; oz. 50c.

Sweet William Makes an elegant display, producing a succession of flower clusters for several weeks, the colors vary, ranging from pure white to nearly black. If sown early will bloom the following fall; fall sowings bloom the next summer. Height 1½ feet.

SINGLE—Varieties; mixed; more attractive than the double. Pkt. 5c; oz. 50c.

DOUBLE—Mixed; a mammoth-flowered type of great beauty. Pkt. 10c; oz. 60.

Thunbergia (Black-Eyed Susan) A beautiful climber, 3 to 5 feet high, with pale-yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt. 10c; oz. 75c.

Verbena (Hardy Annual) Indispensable for bedding purposes, borders and window boxes. Borne profusely from June until frost. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high, or sow outside in April.

CHOICE MIXED—Embraces all colors. Pkt. 5c; oz. 80c

MAMMOTH FLOWERED MIXED—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt. 10c; oz. \$1.25.

MAMMOTH PINK Pkt. 10c; oz. \$1.50

MAMMOTH DARK BLUE Pkt. 10c; oz. \$1.50

MAMMOTH DARK PURPLE Pkt. 10c; oz. \$1.50

MAMMOTH CRIMSON Pkt. 10c; oz. \$1.50

MAMMOTH LARGE PURE WHITE Pkt. 10c; oz. \$1.50

Viola Also known as Tufted Pansies. Very attractive free blooming plants with good size flowers. Mixed colors. Pkt. 10c; oz. 90c.

Vinca Commonly called Periwinkle. Ornamental free-blooming, handsomely bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders.

VINCA—Mixed colors. Pkt. 10c; oz. \$1.00

VINCA ALBA—Pure white. Pkt. 10c; oz. \$1.25

Wallflower Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt. 5c; oz. 50c.

Wild Cucumber Vine Ornamental climbing cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt. 5c; oz. 35c.

Ricinus Zanzibariensis Leaves very large, making a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixed colors.
Pkt. 10c; oz. 25c.

MIXED RICINUS—Pkt. 5c; oz. 20c.

Salvia or Scarlet Sage A standard bedding and border plant, keeping the garden bright with dazzling scarlet flowers during the summer and fall. Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak the seeds before planting.

CLARA BEDMANS—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt. 15c; ¼ oz. 75c; ½ oz. \$1.25.

SPLENDENS (Scarlet Sage)—The scarlet variety. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00.

PATENS (Blue Sage)—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border. Tender perennials. 2 feet. Pkt. 10c; ¼ oz. 75c.

Salpiglossis (Painted Tongue) These annuals have showy, large, funnel-shaped flowers mottled, veined and self-colored. Mixed colors. Pkt. 5c; oz. \$1.00.

Scabiosa (Mourning Bride) A very showy, hardy annual. Fine for cutting and furnishing quantities of very bright blossoms all summer long in varieties of colors. Very easy to grow. Pkt. 10c; oz. 60c.

Sensitive Plant

One of the most remarkable plants in cultivation; the leaves when touched instantly fold up.
Pkt. 5c; oz. 60c.

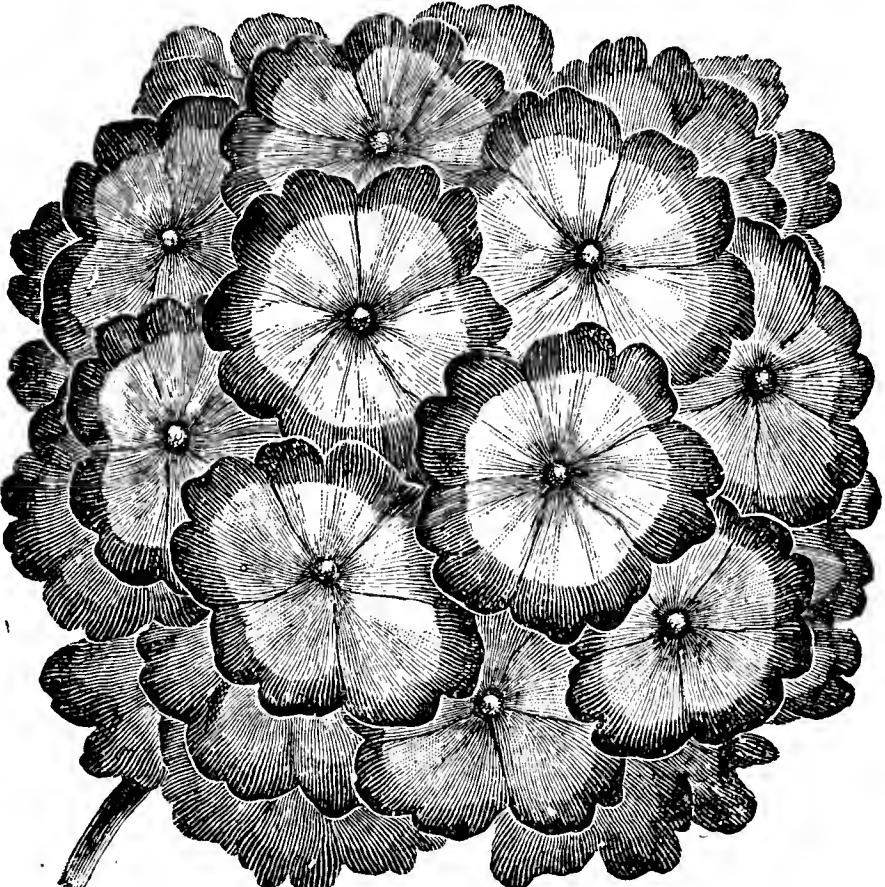
For the Vegetable and Flower Gar-

den, Lawns, Shrubbery and Trees. A highly concentrated odorless plant food made by Swift & Co. Produces wonderful results when making new lawns or top dressing old ones.

Vigoro produces more and more brilliant flowers, full foliated shrubbery, delicious vegetables and leafy trees. It is the ideal plant food for whatever you grow. Write for descriptive pamphlet. Prices: 12 oz. pkg. 10c; 5 lbs. 50c; 25 lbs. \$1.75; 50 lbs. \$3.00; 100 lbs. \$5.00. By mail, 12 oz. pkg. 18c; 5 lbs. 65c.

VIGORO

Specially prepared plant food



Mammoth Flowering Verbena

Wild Flower Garden Mixture

A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard in a promiscuous way. Pkt. 5c; oz. 25c; ¼ lb. 80c; 1 lb. \$2.50.

Annuals for Tall Beds, Groups and Backgrounds

Cosmos, Centaurea, Amaranthus, Marigold, Poppies, Ricinus, Salvia, Sunflower, Zinnias, Calendula and Caliopsis.

Climbing Annuals for Verandas, Arbors, Trellises, Etc.

Balloon Vine, Cobaea, Cypress Vine, Gourds, Dolichos, Moonflower, Nasturtium, Morning Glories, Thunbergia, Sweet Peas.

Plants Suitable for Edging and Low Borders

Aster, Ageratum, Alyssum, Daisies, Candytuft, Lobelia compacta, Pinks (hardy), Portulaca, Forget-me-not, Verbenas.

RUSSELL-HECKLE'S TOP NOTCH ZINNIAS

Few garden annuals are more thoroughly satisfactory than Zinnias, particularly since in recent years greatly improved, larger flowering and more brilliantly colored strains have been developed. Plant early in rows 1½ to 2 feet apart and cover the seeds about ¼ inch deep, or start indoors and transplant outside when the ground is warm. Zinnias can be sown as late as July and they will produce fine large flowers in the fall.



R.-H. Co.'s Dahlia-Flowered Zinnia

R.-H. Co.'s GIANT ZINNIAS

In this strain of Zinnias we have a flower of perfect form, round, full, double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across.

Price, any of the following varieties uniform, as follows: Pkt. 10c; 3 pkts. 25c; ½ oz. 50c; oz. 80c; postpaid.

GIANT CRIMSON
GIANT WHITE
GIANT ORANGE
GIANT SCARLET
GIANT PINK

GIANT YELLOW
GIANT SHRIMP PINK
GIANT PURPLE
GIANT LAVENDER
GIANT MIXED

SPECIAL OFFER

One 10c pkt. of each of above 10 varieties, only 60c.

One ½-oz. pkt. of each of above 10 varieties, only \$2.75; postpaid.

California Giant Zinnia Still another new type, larger and a cross between the Colossal and Dahlia-Flowered Zinnia. Price: Any following varieties, pkt. 15c; any four pkts. 50c; ½ oz. \$1.00; oz. \$1.75; parcel post paid.

CERISE QUEEN—Cerise red.

MISS WILMOTT—Bright pink.

PURITY—Snow white.

CALIFORNIA GIANT MIXED—All shades.

SPECIAL OFFER

One packet of each of above seven California Giant Zinnias, only 70c, postpaid.

Lilliput or Pompon Zinnia These are an improvement over the Dwarf

Double Zinnia. The plant is robust but dwarf, growing only about 1 foot in height, bearing in profusion densely double pompon shaped blooms.

GOLDEN GEM—Yellow.....Pkt. 15c; ½ oz. 75c; oz. \$1.25

SCARLET GEM—Bright red.....Pkt. 15c; ½ oz. 75c; oz. \$1.25

SALMON ROSE—Pink shadePkt. 15c; ½ oz. 75c; oz. \$1.25

WHITE GEM—Snow white.....Pkt. 15c; ½ oz. 75c; oz. \$1.25

MIXED LILLIPUTPkt. 10c; ½ oz. 60c; oz. \$1.00

R.-H. Co.'s Double Dahlia-Flowered Zinnias

The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. They are just as easy to grow as the Mammoth Zinnias, and the large flowers with their beautiful range of colors are simply indescribable.

Price of any of the following 12 varieties of Dahlia-Flowered Zinnias: Pkt. 15c; 6 pkts. 75c; ½ oz. \$1.00; 1 oz. \$1.75; postpaid.

BUTTERCUP—An immense deep creamy yellow flower. Glorious blooms for bedding or cutting.

CANARY BIRD—A delicate shade of primrose. Very large, holding its color well until out of bloom. A free bloomer.

CRIMSON MONARCH—Immense size, bright crimson-scarlet.

DREAM—A fine deep lavender, turning to purple. A rare and extremely pleasing shade. You will like it.

EXQUISITE—A pleasing shade of rose color, one of the finest pinks.

GIANT ATTRACTION—A distinct shade of brick-red which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

GOLDEN STATE—Rich golden-yellow, shading to orange as the flower opens.

ILLUMINATION—Very bright red, large and showy.

OLD ROSE—A beautiful dark salmony-red or old rose.

ORIOLE—An immense orange and gold bi-color. A very unusual and beautiful variety.

POLAR BEAR—Extra large pure white; no other variety will equal same.

PURPLE PRINCE—Fine deep purple, large and well formed. New color in Dahlia type Zinnias.

SCARLET FLAME—A large, beautiful, bright scarlet with a blending of orange throughout the petal.

SPECIAL OFFER

Thirteen varieties of Dahlia-Flowered Zinnias, one packet each of the above named varieties Dahlia-Flowered Zinnias. Regular value \$1.95, for only \$1.35, postpaid.

Russell-Heckle's Special Mixture, Dahlia-Flowered Zinnia

Our special mixture of this new type of Zinnia is made up from the separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best. Pkt. 10c; 3 pkts. 25c; ½ oz. 75c; 1 oz. \$1.50; postpaid.

Double Picotee Zinnia Mixed colors. Pkt. 10c; ½ oz. 70c; 1 oz. \$1.25; postpaid.

Double Curled and Crested Zinnia All colors mixed. Pkt. 10c; ½ oz. 60c; 1 oz. \$1.00; postpaid.

Choice Double Tall Zinnia Fine mixture. Pkt. 5c; 6 pkts. 25c; ½ oz. 30c; 1 oz. 50c; postpaid.

CROWN O' GOLD MIXED ZINNIA

This new Dahlia-Flowered Zinnia is simply indescribable. Each petal of the flower is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The effect is a pleasing two-tone color harmony, especially lovely and scintillating under artificial light. The color range comprises the more popular shades, including old rose, cream, yellow, carmine, pink and burnishing red, the latter a new shade in Zinnias.

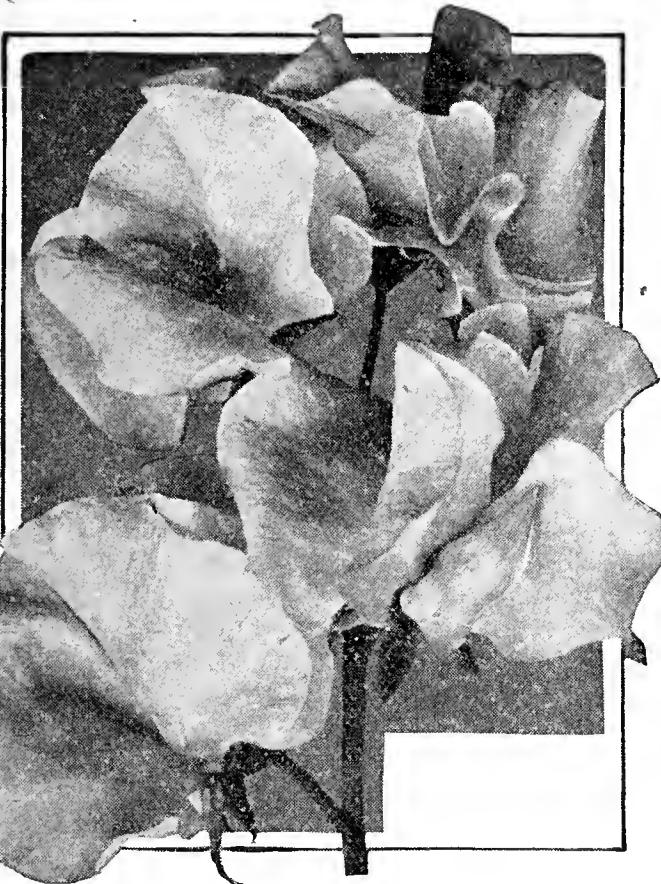
To those seeking the latest and best introduction in Zinnias we highly recommend Bodger's New Crown o' Gold Mixed Zinnia.

Pkt. 25c; ¼ oz. \$1.00; ½ oz. \$1.50; 1 oz. \$2.50; postpaid.

R.-H.CO.'s SWEET PEAS



CULTURE—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.



Pinkie Sweet Peas

Separate Colors—Large Flowering This group includes the largest and most beautifully formed Sweet Peas. The Spencers have very large, waved flowers, which are produced abundantly on long, strong stems, making the blossoms most desirable for cutting. All the following prices are postpaid:

AUSTIN FREDERICK IMPROVED—A giant lavender shade. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

BARBARA—A superb salmon shade. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

CONSTANCE HINTON—Very fine pure white. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

COUNTESS—Bright, clear pink. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

CAMPFIRE—Rich, deep red. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

DOBBIES CREAM—Deep cream color. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

FIERY CROSS—Intense deep scarlet. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

GOOD CHEER—Very large flower, a beautiful begonia rose color. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.25.

HEBE—Giant Rosy Pink. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00.

HELEN LEWIS—Orange-salmon color. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

HEAVENLY BLUE—Deep silver blue. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

KING WHITE—One of the best whites. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

MRS. TOM JONES—Bright blue. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

MISS CALIFORNIA—One of the finest pink. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.90.

MARY PICKFORD—Salmon-pink; good. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

OLYMPIA—Rich purple. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00.

PINKIE—Largest size Rose-pink. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00.

PRINCE OF ORANGE—The deepest orange. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00.

ROYAL PURPLE—Very deep purple. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

SUNKIST—Large cream with picotee edge of rose. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00.

SPECIAL OFFER

One packet each of the 20 named Late Spencer Sweet Peas, above, retail value \$2.00, sent postpaid for only \$1.35.

MIXED COLORS SWEET PEAS

R.-H. Co.'s Mixed Giant Spencers They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt. 5c; oz. 15c; 2 oz. 30c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75; postpaid.

Early Flowering Mixed Spencers A rare combination containing all the shades of early flowering Spencers. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; 1 lb. \$3.00; postpaid.

Cupid Mixed These form a line of emerald-green foliage a little over a foot wide and six inches high. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75; postpaid.

Perennial Mixed The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come mixed in shades of red and white only. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50; postpaid.

INOCULATE SWEET PEAS

Be sure to inoculate the Sweet Pea seed before planting. The flowers will be larger and the stems will be longer. Per package, enough for 1 lb. of seed, 25c, postpaid.

NAMED OR SEPARATE COLOR

Early Flowering Spencer Sweet Peas

These are the best of the early flowering Spencer Sweet Peas. All have long stems and bloom two to three weeks earlier than the standard or late Spencer. Price uniform, any of the following 10 varieties: Pkt. 20c; 2 pkts. 35c; oz. 60c; $\frac{1}{4}$ lb. \$1.75; postpaid.

EARLY FLOWERING ALAMEDA	Deep rose-pink
EARLY FLOWERING AMETHYST	Rich royal-purple
EARLY FLOWERING BLUE BIRD.....	Attractive shade of blue
EARLY FLOWERING BURPEE'S ORANGE	Deep orange
EARLY FLOWERING HARMONY	Clear lavender
EARLY FLOWERING SNOW STORM.....	Pure white
EARLY FLOWERING VULCAN.....	Most vivid scarlet
EARLY FLOWERING YARROWA	Rosy-pink
EARLY FLOWERING ZVOLANEK'S PINK.....	Clear, showy pink
EARLY FLOWERING ZVOLANER'S ROSE	Bright rose-pink

R.-H. CO.'S SPENCER SWEET PEA COLLECTION

10 Cloots

One Packet of each of the following 10 Spencer Sweet Peas
Only 70c

1—10c pkt. AUSTIN FREDERICK.....	Lavender
1—10c pkt. CAMPFIRE.....	Bright red
1—10c pkt. DOBBIES CREAM.....	Deep cream
1—10c pkt. HEAVENLY BLUE.....	Silver blue
1—10c pkt. HEBE.....	Bright rose
1—10c pkt. KING WHITE.....	Pure white
1—10c pkt. MISS CALIFORNIA.....	Bright pink
1—10c pkt. PINKIE.....	Rose pink
1—10c pkt. PRINCE OF ORANGE.....	Deep orange
1—10c pkt. ROYAL PURPLE.....	Deep purple

Total, ten 10c pkts., value \$1.00, sent postpaid for only 70c.

R.-H. CO.'S EARLY FLOWERING SPENCER SWEET PEA COLLECTION

Six 20c Packets Only 85c

1—20c pkt. EARLY FLOW. ALAMEDA.....	Rose pink
1—20c pkt. EARLY FLOW. BLUE BIRD.....	Bright blue
1—20c pkt. EARLY FLOW. HARMONY.....	Lavender
1—20c pkt. EARLY FLOW. YARROWA.....	Pink
1—20c pkt. EARL FLOW. AMETHYST.....	Purple
1—20c pkt. EARL FLOW. VULCAN.....	Scarlet

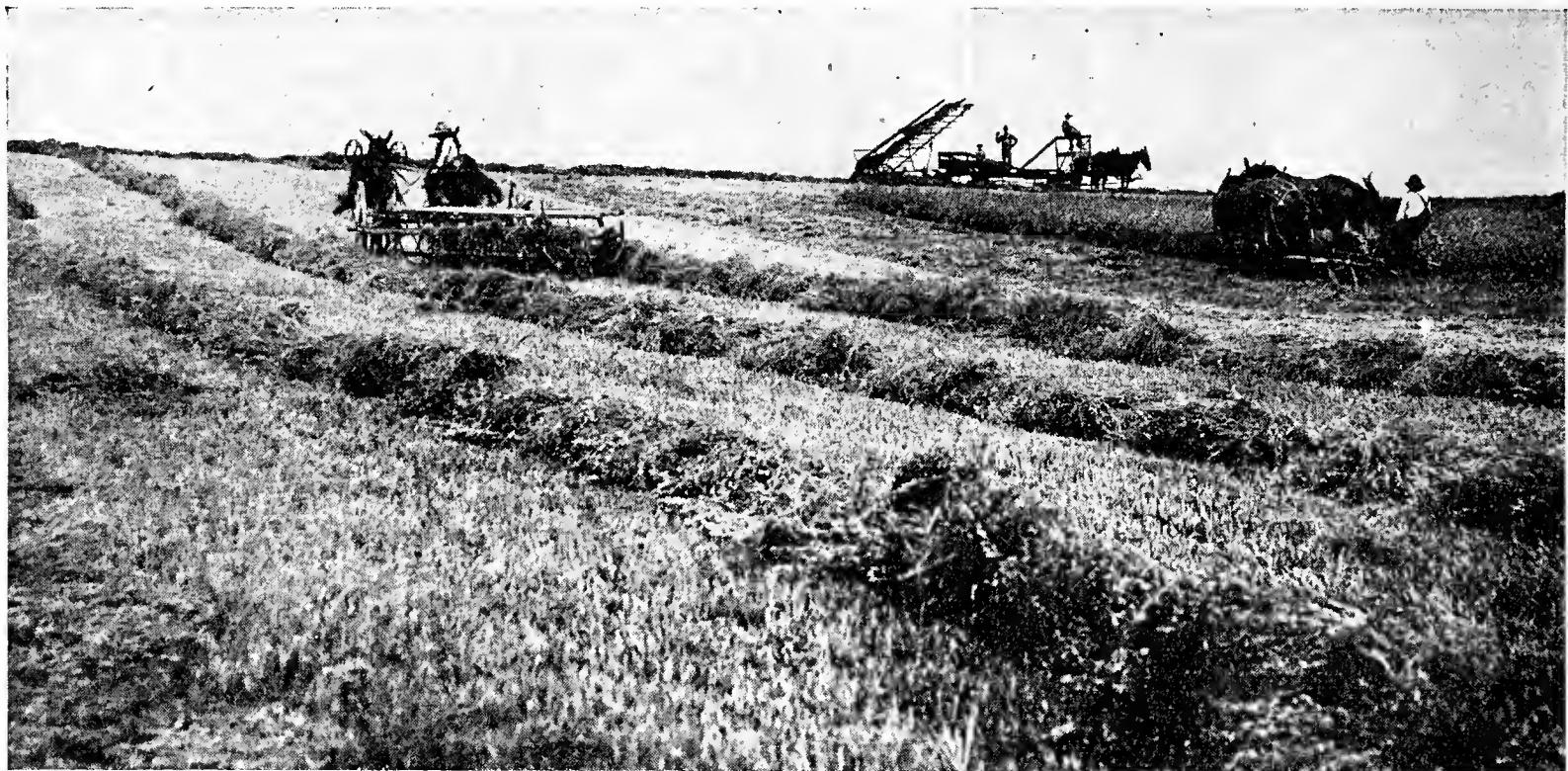
This collection, retail value \$1.20, only 85c.

RUSSELL-HECKLE'S FARM SEEDS

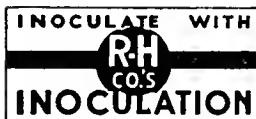
TOP NOTCH QUALITY SEEDS MEAN BETTER CROPS

The most vital need of those who depend for their living on the products of the soil is pure seed, not mixed with noxious weed seed, and of high germinating quality. Our Top Notch brand was originated to designate seed stocks filling just that need, and their dependability is responsible for their popularity.

Top Notch brand on the seed you plant means bigger crops and more profit to you. To use it means satisfied customer who tell their friends about us, which in turn means more friends for us. It's an endless chain, and Top Notch Seed form the links.



A Field of R.-H. Co.'s Top Notch Hardy Northwestern Alfalfa



Alfalfa The crop that pays constant dividends, and at the same time builds soils.

Alfalfa is one of the few crops that cannot be overproduced. It stands for years, yields several cuttings a season and makes a hay about as high in protein as wheat bran; it more nearly approaches perfection as a forage crop than any one other crop. When fed with a grain ration, it supplies the protein necessary for a balanced food. For dairy, breeding and fattening cattle, hogs and sheep, it is the ideal hay. As a soil builder, it is claimed that it adds more than twice as much ammonia or nitrogen to the soil as red clover. Alfalfa does not ask the farmer to buy expensive nitrogen, but gets all it needs from the air and stores it in the land to make bigger the crops that follow it.

CULTURE—The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the Spring, March and April, or in the Fall, September and October, are successful.

PREPARATION OF SOIL—Good loam or clay soil with natural or artificial drainage, with no hardpan underneath, will grow Alfalfa when properly prepared, and proper and thorough preparation is a prime necessity for a uniform heavy stand. Where the soil is acid, and that is the case in most instances, liming is necessary.

INOCULATION—Be sure to inoculate the seed with Russell-Heckle's Top Notch Culture or Nitragin; complete directions sent with these cultures.

FERTILIZING—Use 2,000 pounds of ground limestone, 200 pounds of Bone Meal and 200 pounds of pulverized Sheep Manure, broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 200 pounds of Agricultural Gypsum Land Plaster to the acre, broadcast. It stimulates it wonderfully.

Certified Delta 18 Alfalfa This variety of Alfalfa is produced in a section of the Rocky Mountains where the temperature gets down to 18 degrees below zero, withstanding this terrific cold each winter during the 75 years since Alfalfa was introduced there. A most vigorous hardy type Alfalfa was inevitable, resulting in the strain Delta 18—a very heavy hay yielder of high protein content. Delta 18 Alfalfa seed are field-inspected and laboratory inspected. Delta 18 Alfalfa represents the fancy selection of the season's crop of the Delta 18 Alfalfa Growers from the same section year after year, in sealed bags of 1 bushel 60 lbs. each (U. S. verified origin). Sold only in sealed 1 bushel bags. Prices on Green Ink List enclosed.

R.-H. Co.'s Top Notch Hardy Northwestern Alfalfa

The northwestern states, like Idaho and Utah, produce a very hardy type of Alfalfa, due naturally, to the severely cold winters that Alfalfa must weather there each year. Our Top Notch Northwestern Seed represents our choice of the stocks produced there, based on purity and growth. Such seed costs more than seed produced farther south, but the man who buys our Top Notch Northwestern Alfalfa will get full value for every dollar spent. 1 lb. 40c. postpaid.

Disco No. 28 Alfalfa Another very hardy and productive Dakota Alfalfa; very similar in every way to our Dakota No. 12 described on this page. 1 lb. 50c. postpaid.

R.-H. Co.'s Top Notch Dakota No. 12 Alfalfa

Practically every pound of this strain of Alfalfa was exhausted last year because of the enormous demand for the seed. This is the best evidence we can offer of its true value. South Dakota is the home of this Alfalfa, where the temperature drops way down below zero every winter. Seed that withstands such a severe test as that can readily be seen to have outstanding advantages. We have never sold Dakota No. 12 Alfalfa to any man who expresses other than extreme pleasure over results. An exceptionally productive Alfalfa. 1 lb. 45c. postpaid.

R.-H. Co.'s Top Notch Western Alfalfa

This seed is produced in the West farther south than Idaho and Utah and our stock this spring is the latest crop of highest germinating strength and tested 99.60 per cent pure, which is very, very fine. We have sold thousands of pounds of this seed throughout the South where it has given splendid results. It costs less because it is not so difficult to produce as seed in the more northern states. 1 lb. 35c. postpaid.

Grimm Alfalfa This is a different type, having the lateral or branching root system instead of the usual main tap root of most Alfalfas; very popular in Canada and extreme Northwest, but less often grown in the South. 1 lb. 60c. postpaid.

Hairy Peruvian Alfalfa This is an Arizona variety that is very popular there and in the lower half of our own southern states. It is not as hard as Northwestern seed but makes a splendid growth of hairy and leafy vine. 1 lb. 50c. postpaid.

Inoculate Alfalfa Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay many times.



A Field of the New Kobe Lespedeza

Kobe Lespedeza A new and improved type of Lespedeza which grows much ranker and has larger leaves and slightly coarser stems. It has been known to grow 38 inches tall, but usually about 2 to 2½ feet. Possibly due to its rank growth, completely shading the ground and thus retaining moisture, it is

much more resistant to dry weather and comes through a drouth when common Lespedeza burns up. Kobe flowers in August and September and ripens the seed in early October. An excellent variety for pasture and hay and a great improvement over the common Lespedeza. 1 lb. 50c; postpaid.

Tennessee Station No. 76 Lespedeza This variety is similar to the common or wild variety, except that it is taller and more upright in growth, holding all the branches off the ground, even when the plants stand alone. It is finer stemmed than either Korean or Kobe, and grows to the height of nearly three feet under favorable conditions. It blooms slightly later than Kobe and considerably later than Korean or common. It remains green until killing frost, furnishing excellent pasture after the others have lost their leaves. This variety is valuable for its large amount of excellent hay produced, and its very late pasture possibilities. It usually makes more than enough seed for reseeding the ground, and on thin soils, several bushels more. The hay yields made on the West Tennessee Experiment Farms are larger than those of the other varieties. 1 lb. 50c; postpaid.

Korean Lespedeza A new variety and the earliest of the annual Lespedezas. It comes up early in the spring and grows rapidly, furnishing much earlier pasture than any other variety. The leaves are larger than common Lespedeza, and more rounded. Begins flowering in July, the flowers crowding near the ends of the branches, as distinguished from other varieties, which have flowers scattered along the stems. Korean is especially suited for a short growing season. The seed ripens in September. 1 lb. 50c; postpaid.

Common Lespedeza or Japan Clover Grows practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturages, much relished by all stock. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain if you like. If sown on sod, the land should first be scarified with a disk harrow in order to give the seed a good seed bed. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. It will then make good hay in late summer. 1 lb. 35c; postpaid.

Alsike or Swedish Clover Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drouth, and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff, wet bottom lands. 1 lb. 40c; postpaid.

Burr Clover Sown in July, August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring, acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre. Price quoted on application.

Red Clover This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. Sow in March or April, broadcast 10 pounds of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble or with wheat. 1 lb. 45c, postpaid.

White Sweet Clover or Melilotus As a land builder it has few equals. Does well on soils containing lime. It resembles Alfalfa both as to appearance and habit of growth when young; however, it grows much larger than Alfalfa, often 4 to 6 feet high. It is valuable in the bringing up of old, waste and worn-out soils and thrives well even on extremely poor soils. If plowed under it adds humus and nitrogen to the soil, or if simply left to grow up and drop back for a few years the decaying stalks and roots will do wonders for the land. The deep roots break up, aerate and drain stiff subsoils and add humus. Its feeding value is high, about equal to Alfalfa. Valuable as a pasture and, in spite of its bitter taste, stock learn to like it. Sow early in the spring or fall at the rate of 15 to 25 pounds per acre. 1 lb., hulled and scarified seed, 30c; postpaid.

Yellow Blossom Sweet Clover The Yellow Blossom type is very similar to that of the White Blossom, but is not nearly so valuable as a nitrogen or humus builder and is more especially adapted as a hay or pasture. For those who wish to use Sweet Clover for pasture, hay and bee purposes, we would advise the use of the Yellow Blossom type. 1 lb. 35c; postpaid.

Mammoth or Sapling Clover Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre. 1 lb. 50c; postpaid.

White Dutch Clover White Dutch Clover is used principally for lawns, a small proportion in permanent pasture often fills up many a bare spot and produces valuable grazing for all kinds of livestock. It is very hardy and will thrive on almost any soil. Sow either in the spring or fall. When sown by itself, sow 5 to 6 pounds per acre. 1 lb. 55c; postpaid.

Crimson Clover Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. 1 lb. 35c; postpaid.

Black Medic A species of Clover from Georgia that is becoming recognized as a legume especially adapted to plow under for green manure. Grows all during the winter and is just the thing to build up run-down soil and will improve the yield of crops that are planted on the land the following spring. Sow in March, 18 to 20 lbs. per acre. 1 lb. 40c; postpaid.

Hop Clover This is a low-growing, creeping type of clover, somewhat similar to White Dutch but an annual. Fine for mixtures and pasture. Comes first in the spring. Sow in February, 8 to 10 lbs. to the acre. 1 lb. 40c; postpaid.

RUSSELL-HECKLE'S GRASS SEEDS

How to Plant

In planting grass seeds the land should first be thoroughly cultivated and pulverized. The seed may then be scattered by hand or with a hand-seeder, such as described in this catalogue. A harrow or rake should then be used, which will mix the seed with the soil so they will be covered about one-quarter in. deep. If not convenient to sprinkle, the planting should be done when there is a good season in the ground, and land rolled or dragged after harrowing. This will pack the soil so the moisture will be saved from evaporation and thus cause the seed to germinate, and to nurture the grass until it establishes a good root system.



A Good Hay Crop Ready to Harvest

Orchard Grass

A most valuable grass for pasture and hay lands and on account of its earliness very valuable for permanent pastures, as it furnishes the first green bite in the spring and the last in the fall; is quick to recover from close cropping and even thrives better the more it is cropped. Gives rich pastures till late in the fall. It will stand the drought. It is well suited for shady places, such as orchards and groves. Richer feed than Timothy and outlives it. Sow 21 pounds per acre. 1 lb. 35c; postpaid.

Red Top or Herd's Grass

This grass makes excellent pasturage and good crop fine quality hay, and succeeds on a greater variety of soils than any other in general use. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. On good soil it grows about two feet high; on poor, gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. Red Top should be extensively grown, especially with other grasses. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. When sowing with Timothy, sow 6 pounds of the Fancy Cleaned and 8 pounds of Timothy per acre. It can be sown either in the Spring or Fall. 1 lb. 30c; postpaid.

Carpet Grass (Paspalum Compression)

Is an extensively creeping pale-green grass, rooting at the nodes, every few inches, and sending up numerous succulent tender stems, or branches, 6 to 24 inches high. These continuous new crops of stems, although trampled or eaten down weekly, will continue to shoot out and make a bountiful green carpet lawn, or grazing until the temperature gets down to ZERO. A few bushels sown over a washing hillside will in a short time stop washing, leaching and soil erosion—at the same time producing bountiful grazing under the most adverse conditions on soils uncultivable and otherwise useless. It's not a PEST like Bermuda or Johnson grass, and one cultivation or turning under eliminates it. Besides this, it can readily be sown over other PASTURES, HAY MEADOWS OR FALL GRAIN, from March to June, without affecting the other hay or grain crops. The grazing value of CARPET GRASS is the same as "Kentucky Blue Grass," and its hay cures beautifully and bright with 24 hours sunning, and runs 13% in protein. 1 lb. 50c, postpaid.

Bermuda Grass Bermuda is a southern grass. It delights in sunshine and warmth. It is extensively used in this section for levee work and pasture. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, even growing on many of our poorer, thin, sandy soils, though like other grasses it gives better results on richer soils.

The seed should be planted in April, May or June. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm. 1 lb. 60c, postpaid.

Our Permanent Grass Mixtures

are composed principally of grasses which ripen together for cutting; but they also contain other grasses which will also add very much to the pasturage yield, in case it is desired to use the fields for pasturage. These grass mixtures afford splendid crops of hay of the finest quality and highest feeding value, and after being cut will give continuous and abundant pasturage till winter comes. May be used for hay exclusively, or for hay and pasturage as needed.

Sudan Grass (A Wonderfully Quick-Growing Summer Hay Grass)—Yields two or more cuttings a season. Makes a bigger and better crop than Millet. It stools out wonderfully after the first cutting. Stock eat it up clean—blades, stalks and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting.

Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown either with a grain drill or in rows two feet apart, and cultivated like corn. When sown in rows it grows 6 to 7 feet high; when sown broadcast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the feeding value is highest, yet there are few grasses so little injured by standing beyond the proper stage for cutting.

Sow 6 to 8 pounds to the acre in 2-foot rows; 25 to 30 pounds broadcast. By mail, 1 lb. 20c; postpaid.

Timothy Twelve to 15 pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. 1 lb. 20c; postpaid.

Dallas Grass Sow eight to ten pounds to the acre. Has given splendid results in the South. It is an ideal grass for dairy farmers, as it produces enormous quantities of fresh, green, juicy feed during the hottest weather. Germinates slowly and requires from three to four weeks of warm, moist weather to sprout. Plant from November to March, 8 pounds per acre. 1 lb. 70c, postpaid.

Russell-Heckle's Pasture and Grass Mixtures

PERMANENT GRASS MIXTURE No. 1—For Hay or Pasture; recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Tall Meadow Oat Grass, Red Clover, Alfalfa, etc. These Grasses mature and ripen together, making a splendid hay. Sow 30 to 35 pounds to the acre. 1 lb. 30c, postpaid.

PERMANENT GRASS MIXTURE No. 2—Intended for good moist soils, also for grazing as well as hay. Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches, use the mower to do so. Do not pasture too closely. This is well suited for "patching" your present pasture by discing or harrowing in. 1 lb. 30c, postpaid.

PERMANENT HOG MIXTURE—Especially prepared for pasturing hogs. Composed of Red Clover, Red Top Grass, Orchard Grass, Alsike Clover, Rape, etc. This will help you to carry your hogs through the summer and fall at small cost. Sow in February, March and April, also fall, at rate of 20 lbs. per acre. 1 lb. 30c, postpaid.

CHICKEN PASTURE MIXTURE—A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. 1 lb. 25c, postpaid.

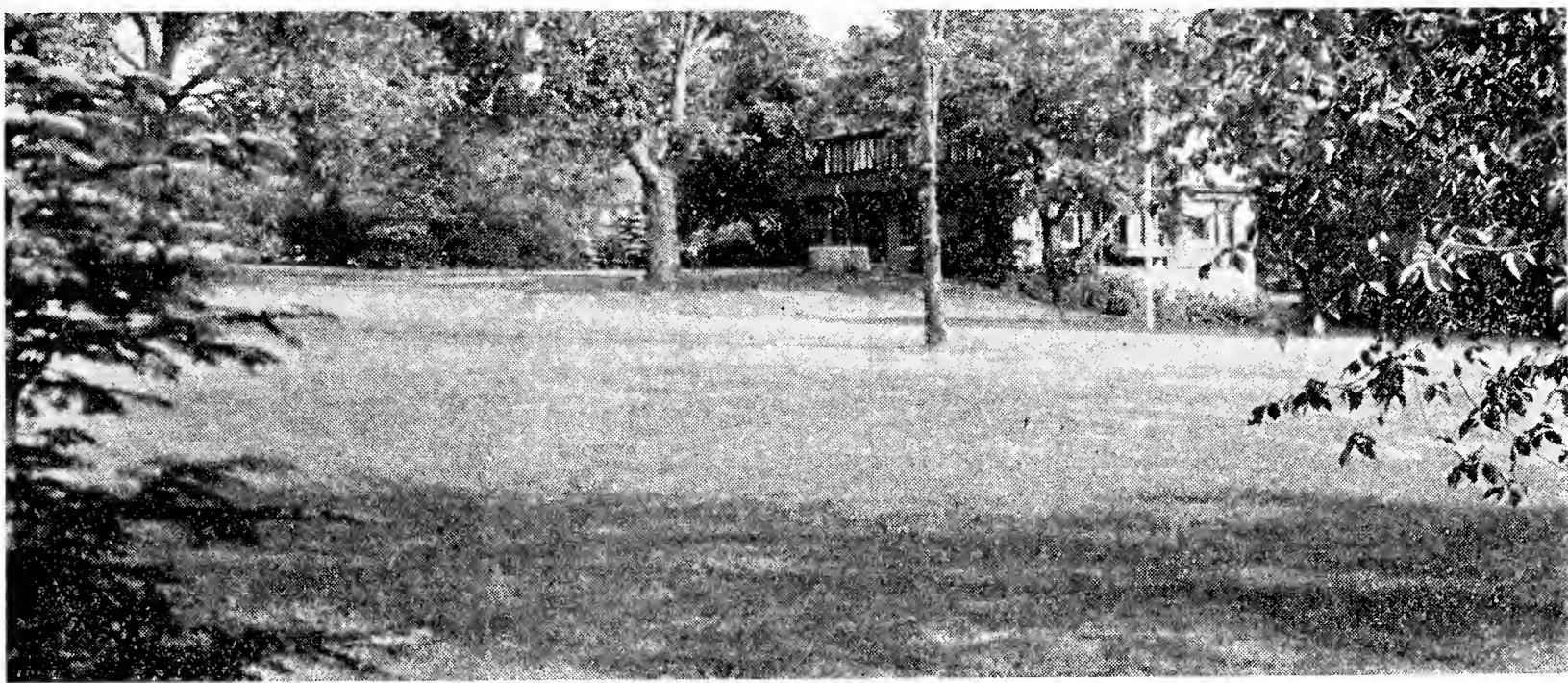
TIMOTHY AND ALSIKE MIXED—Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall, 15 pounds of the mixed seed per acre. 1 lb. 30c, postpaid.

Please Note We are listing Field Seeds with postpaid prices only in pound lots. The fluctuating markets on field seeds make a set catalog price very unsatisfactory.

See Green Ink Price List enclosed for quantity prices on Grass Seeds.

Revised copies gladly furnished.

RUSSELL-HECKLE'S LAWN GRASS SEED



Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 5 inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface at the rate of 60 or 75 pounds to the acre. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is 3 inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed.

HOW MUCH SEED TO SOW

You cannot sow too much; the more the better; it means a quicker, more satisfactory and lasting result. We recommend, on new ground, for average mixtures, to sow as follows: One pound on 200 square feet (10×20); 6 pounds on 1,200 square feet (20×60); 15 pounds on 3,000 square feet (50×60). A good rule is to figure one pound for each 200 square feet. For renewing old lawns use one pound to 400 square feet (20×20).

Evergreen Lawn Grass Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible. For years we have experimented with various grasses and combinations of grasses that are suited to lawn making, and offer a lawn grass mixture that will give a thick and luxuriant turf, provided you follow the instructions given above and give your lawn the care and attention it deserves. By mail, postpaid, 1 lb. 50c.

Shady Spot Lawn Grass The problem of growing fine grass in shady locations has always been a difficult one. Only a few grasses will grow satisfactorily under such conditions. Among the grasses best adapted to this purpose are Poa Trivialis and Red Fescue. These grasses should be the base of all mixtures for shady lawns and woods. Shady Spot Lawn Grass contains a large proportion of these two grasses besides other adapted turf-making grasses that will blend and make a thick velvety sod. By mail, postpaid, 1 lb. 60c.

Kentucky Blue Grass Adapted for shady locations, and requires rich soil. It will do well where lime is used in the ground. Fine for lawns, also for pasture, where soil is suitable. Sow in February, March and April, also in the fall. One pound sows 20 by 20 feet, or 400 square feet; 80 to 100 pounds to the acre. 1 lb. 45c; postpaid.

Grass Seed and Fertilizer Spreader

Does the work evenly and accurately. Every home needs one. Saves time and labor. Ideal for sowing on windy days. Designed for use on established lawns. Can be used on newly prepared soils if well firmed. Costs no more than a good garden spade. Sturdily constructed.

Weight 6 pounds. Has 14-inch spread. \$1.95.
By parcel post, \$2.20.



Seed and Fertilizer Spreader

Russell-Heckle's Sunny Spot Lawn Grass

This mixture is the result of a close and intimate study of grasses suited to lawn making and such as are adapted to Southern soils and climate. Every grass suitable for lawn making will not stand the extreme heat and drought so often experienced in the South, so in selecting grasses for the mixture we have taken only those that will give a velvety green lawn under the most trying conditions of summer heat and drought when lawns often become brown and parched. 1 lb. 60c; postpaid.

Bermuda Grass This variety is strictly a hot weather grass and is the only kind that will withstand the hot sun in the summer time. Sow in the spring of the year, when the ground becomes warm, or any time in the summer, using one pound of seed to a space 10 by 50 feet. A beautiful green lawn can be obtained from the seed much cheaper than by sodding. Landscape men and those who have charge of golf links appreciate this and have almost entirely ceased using sod, as a more even turf can be obtained from the seed than by sodding. The seed will germinate very readily when the weather is warm by sprinkling every day, as plenty of water is necessary. 1 lb. 60c; postpaid.

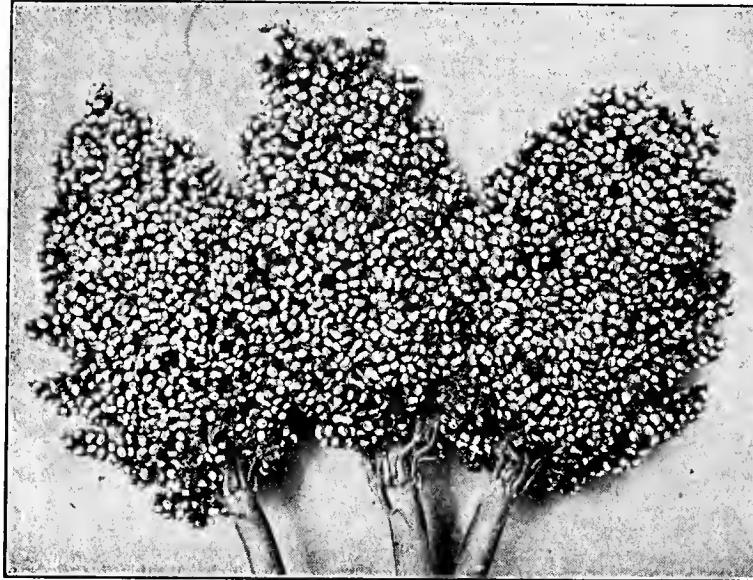
Rye Grass For winter lawns. This grass is becoming more popular each year. When sown in the fall, which is the proper season, Domestic Rye Grass remains green all through the winter. Sown on top of Bermuda in October or November. Mix 1 pound of Rye Grass seed with 5 pounds of pulverized Sheep Manure for 10 x 20 feet, or 200 square feet. Requires approximately 200 pounds to seed an acre. Domestic Rye Grass is also adapted for pasture, as it is not easily injured by trampling. For pasture sow 80 pounds to the acre in October or November. 1 lb. 25c; postpaid.

Fertilizing Lawns Nothing will give a lawn the rich, deep green, velvety appearance so much admired like a liberal dressing of good fertilizer especially prepared with that end in view, and we have several which we recommend for the lawn, among the best of them being Vigoro and Nitrophoska.

Renewing Old Lawns A lawn can be kept thick and flourishing if at intervals the soil is stirred with a sharp rake and more seeds sown. This should be done just after the grass has been cut, or during a rainy spell. If rolled immediately after sowing, the seeds will be better covered. Every spring and fall fresh seeds should be sown over the lawn to fill in bare spots and thicken the growth.

GROHOMA

This new forage and grain crop, after thorough trials the past season, was found very satisfactory. Stock of all kinds like it—in fact, they eat every particle of the stalk, leaves and head. It is rich in protein and fat. Plant from April 1st to July 1st in good soil. Make rows 4 feet apart, drop seed 12 inches. Since it stools considerably, very little seed is required. Sow 2 pounds to the acre.



Grohoma Heads

Grohoma is claimed to stand drouth; however, the past season we had no dry weather to give it that test. Anyway, it will pay you to plant as many acres as you wish, since the returns during the past summer were all that could be expected.

HARVESTING THE CROP—It can be harvested with a corn binder, binding into bundles, cutting the stalks and saving the wonderful, nutritious foliage of many tons to the acre. Set up in small shocks and when thoroughly dry, thresh with an ordinary threshing machine as you would wheat or oats. The fodder can be fed to stock, cattle, fattening cattle or dairy cows. A wonderful milk producer.

The crop can also be harvested by cutting the spike heads off at the time of maturity and threshed with a threshing machine, after which the fodder can be cut with a corn binder and fed as a bundle feed or shredded up with a threshing machine, as you might prefer.

Grohoma will make sorghum, but the plant or stalk should be left to mature, which will be when the head or grain is well filled and dried out. At that stage cut the stalks, strip them, and carry to the cane mill. Grohoma will turn out 24 per cent juice.

Price of selected, well-cleaned seed from main heads, 1 lb. 35c; postpaid.

Feterita Three or four weeks earlier than Kaffir Corn. It is the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. 1 lb. 20c; postpaid.

Yellow Milo Maize A wonderful drouth-resistant, non-saccharine sorghum that makes a thick succulent growth of nutritious milk-producing forage. For fodder and ensilage, cut when in the dough stage; at this stage it has a feeding value practically equal to corn. Any good corn land will bring Milo Maize either for green feed, dry fodder or for the grain. It grows on all soils from sandy to heavy clay loam. Plant in 3½-foot rows after the ground is thoroughly warm, and give it the same cultivation you would corn. Six to eight pounds will plant an acre. 1 lb. 20c; postpaid.

Schrock Kaffir Sorghum A comparatively new grain as it is quite sweet and grows an abundance of broad, long leaves. Excellent stock and poultry feed. Drill at the rate of 5 pounds per acre. 1 lb. 25c, postpaid.

White Kaffir Corn Kaffir Corn yields heavy crops. It adapts itself to a wide variety of soils; a long dry spell may stop its growth, but it starts again with the first rain. The grain as well as the plant makes fine feed for stock, hogs, poultry and pigeons. With Cowpeas, sow broadcast one peck of Kaffir Corn to a bushel of peas; sown alone, 3 pecks to a bushel broadcast an acre; in drills 6 to 8 pounds plants an acre in 3½-foot rows. Plant from after the ground is thoroughly warm till early in June. 1 lb. 20c; postpaid.

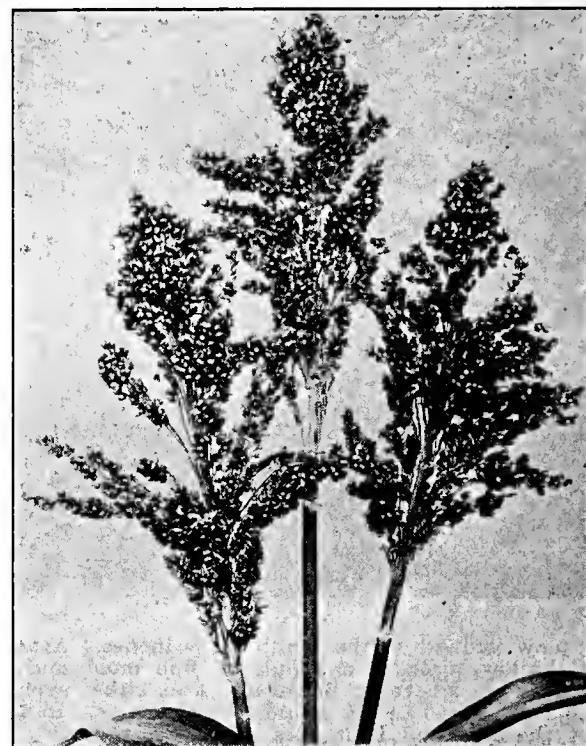
Red Kaffir Grows taller than the white; stalks slender, juicy and very leafy. Ripens earlier than that of the white and yields much heavier. 1 lb. 25c; postpaid.

Egyptian Wheat or Shallu The heads are large and heavy. It makes hens lay better than any poultry food. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. 1 lb. 30c; postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Sargain, Sorghum Seed, etc.

SORGHUM

CULTURE—Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well drained clay loam, in rows 3½ to 4 feet apart, and cultivate as you would corn. After the flowering stage is passed, but not earlier, it may be pastured or cut for fodder. Sorghum may be grown with cow peas and soy beans either in rows or broadcast.



Early Orange Sorghum

SPECIAL WARNING ON SORGHUM CANE

NON-WARRANTY—Owing to the peculiar hybridization of syrup cane varieties, it is impossible to guarantee any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time do not guarantee that they will come true.

All orders for syrup cane varieties are therefore accepted only on these conditions.

Early Orange From 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. 1 lb. 20c, postpaid.

Early Amber An early Southern variety grown almost exclusively for forage crop either alone or broadcast with peas. Sow broadcast alone 50 pounds seed per acre. If with peas broadcast, use 25 pounds seed with 60 pounds peas per acre. 1 lb. 20c, postpaid.

Red Top or Sumac Grown extensively in Middle Tennessee. Succeeds well in this section. Very sweet and one of the best for hay. 1 lb. 20c, postpaid.

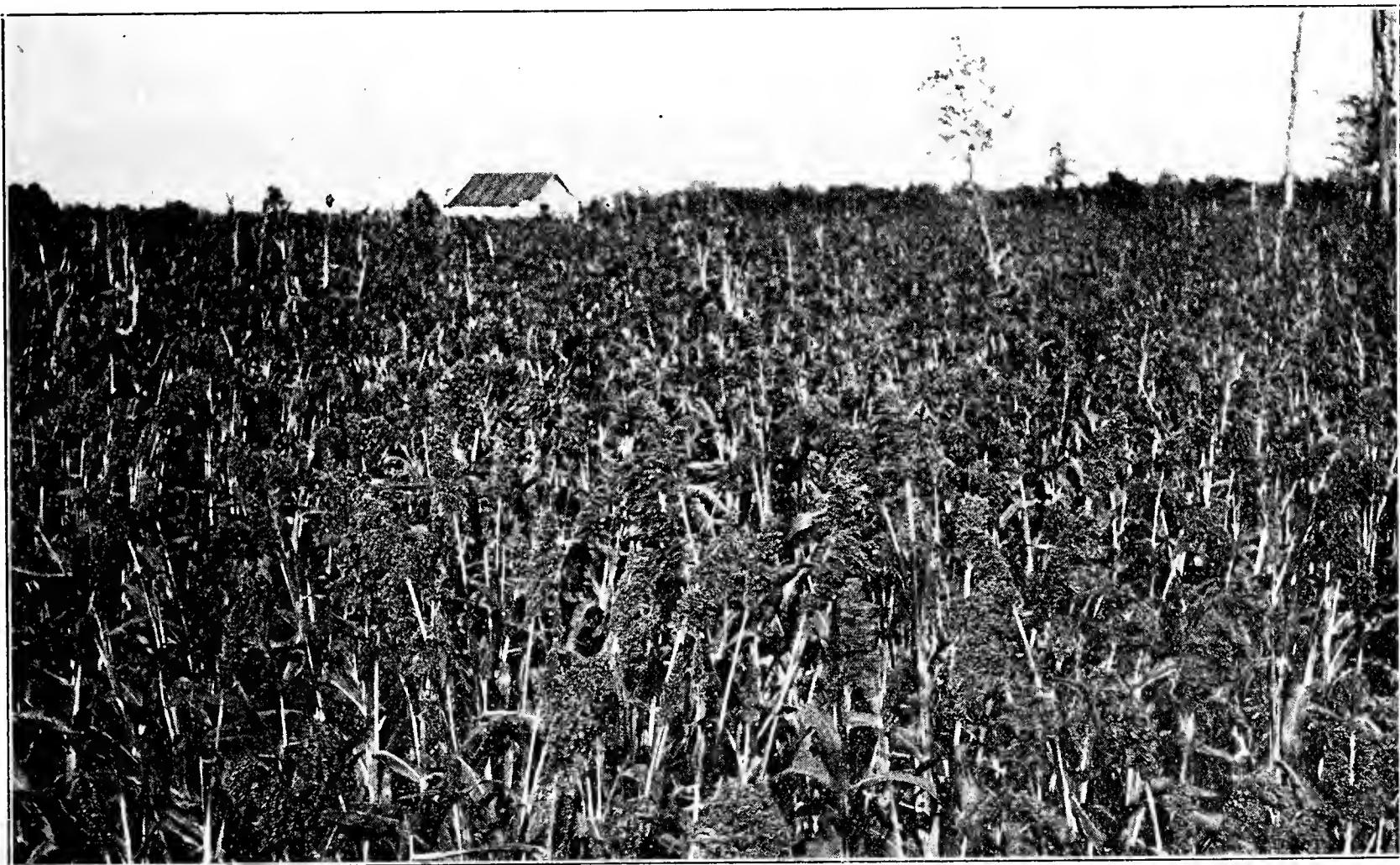
Sugar Drip It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice. One of the most desirable syrup varieties. 1 lb. 25c, postpaid.

Texas Seeded Ribbon Cane Whether you grow it for syrup, for ensilage or for feeding, you will like it. The syrup yield is good, frequently from 175 to 200 gallons to the acre. As it grows 10 to 12 feet tall, with an abundance of fodder, it makes a most economical ensilage, filling the silo at a minimum cost. Plant in 3½-foot rows when the ground has become thoroughly warm, thin out to stand 10 to 12 inches apart in the rows, and cultivate just as you do corn. 1 lb. 25c, postpaid.

Japanese Honey This variety of cane is without a doubt the best syrup producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific. 1 lb. 25c, postpaid.

Hegari An importation made by the United States Department of Agriculture from the Sudan district of Africa. It makes an enormous yield of grain in most sections of the state and is more desirable for forage or silage than either Kaffir or Feterita. It is dwarf in habit of growth, producing large heads of white grains that do not shatter. Plant 8 to 10 pounds per acre. From the demand we had the past season it looks as if this is getting to be the most popular non-saccharine Sorghum grown. Stands dry weather well. 1 lb. 35c; postpaid.

R.-H. Co.'s SAGRRAIN AND PEANUTS



Sagrain, the Wonder Forage Crop

SARGAIN

Grows on land you can't plant to other crops; thrives in low places that usually drown out. Produces from 8 to 20 tons silage, or if left to ripen will produce from 30 to 75 bushels grain, and 4 to 8 tons cured hay; has heads like Kaffirs. Usually weighs about 7 ounces and the average ear corn weighs 8 ounces. In feeding value has 90% value of corn; can be fed to hogs, chickens, cattle and work stock. Plant as early in the spring as frost will allow. Will then be ready to harvest when crops are laid by, usually along about the 1st of August.

Plant in 3½-foot rows. Cultivate a couple of times and thin out, leaving a stalk every 8 inches apart. Use a common sorghum or pea plate. We do not recommend broadcast planting. Can be best harvested with a corn binder, shocked like oats until cured. Six to eight pounds will seed an acre, planted in 3 to 3½-foot rows. From each seed planted you get from 6 to 10 heads of grain as it stools out and should be left very thin in drill. 1 lb. 20c; postpaid.

Sagrain No. 303 An improved strain, a dwarf selection of the original Sagrain, with heavier head. Stalks grow stocky, dwarf and very uniform. You will find it a great improvement over the regular strain. Lb. 35c; postpaid.

SEED PEANUTS

Prepare the ground well, laying it off in rows with a shovel plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about one foot apart. One and one-half bushels of unshelled nuts will seed an acre.

IMPROVED WHITE VIRGINIA—These are uniformly large, and when grown on light sandy land will produce nuts of that bright, attractive appearance demanded by the best trade. 1 lb. 25c; postpaid.

TENNESSEE LONG RED—Especially adapted to this section. The nuts contain three large kernels in each and are enormously productive. 1 lb. 25c; postpaid.

SPANISH PEANUTS—Although not as large as other kinds, there is no peanut grown that so entirely fills the pod nor can compare with it in sweetness and flavor. 1 lb. 25c; postpaid.

VALENCIA PEANUTS—The pods are large, well filled, usually containing three or four nuts, and of such handsome appearance that they find ready sale at top prices. 1 lb. 35c; postpaid.



Dwarf Essex Rape

Dwarf Essex Rape A quick and cheaply grown pasture for sheep, hogs, cattle and poultry. Ready in 6 to 8 weeks from sowing.

CULTURE—Sow it as early as possible; late March or early April is not too late; 3 to 4 pounds plant an acre in drills; 6 to 8 pounds broadcast. 1 lb. 25c; postpaid.

HAND CORN PLANTERS

Especially desirable for replanting corn, etc. Both styles, either the one-hand or two-hand planters are accurate, strong, and durable. They can be set to plant two to six grains in a place as required; simple and easy to operate.

Price, one-hand planter, \$1.75 each; two-hand planter, \$1.25 each, f. o. b. Memphis.



Spanish Peanuts

RUSSELL-HECKLE'S SOY BEANS



A Field of Biloxi Soy Beans

Laredo Soy Beans

INOCULATE WITH R-H CO'S INOCULATION

At last the ideal Soy Bean for the entire South seems to have been developed. The Laredo matures reasonably early, does not shatter out badly and will make a crop under conditions that would spell ruin to Cowpeas or other Soy Beans. Yields of four tons of hay have been obtained, quality almost equal to Alfalfa; as much as 35 bushels of beans have been harvested per acre.

One bushel will plant 6 to 8 acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to 12 acres. They should not be covered deeper than 1½ inches; a half-inch is better. One or two cultivations to keep down the grass and weeds is advisable. The Delta Experiment Station reports splendid results from sowing Laredo March 25th to April 10th with a wheat drill on oats planted previous fall. This drill helped instead of hurting the oats, and the beans were not large enough when the oats were harvested to interfere with the binder. Sow seed broadcast at rate of one bushel per acre; when sown in drills sow about 1 gallon or 2 gallons per acre. Qt. 40c; postpaid.

Virginia Soy Beans On account of its abundant growth and large yield of beans the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be grown farther north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making; sow broadcast one and one-half bushels to an acre; in drills ½ bushel to an acre. Qt. 35c; postpaid.

Biloxi Soy Beans An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties—in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth; sow seed broadcast at rate of two bushels to an acre; in drills sow ½ bushel to the acre. Qt. 35c; postpaid.

Otootan Soy Beans Few Soy Beans can equal Otootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet and more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut. Planted in 3-foot rows, they will cover the land with a mass of foliage. Recommended for sections south of Virginia which have a long growing season. Qt. 50c; postpaid.

INOCULATE SOY BEANS

Don't fail to use R.-H. Co.'s Inoculation on your soy bean seed before planting. Without the proper bacteria in the soil your crop will not succeed. Inoculation makes big growth of plant stems and leaves. Price package, enough for 1 bushel of seed, 40c; postpaid.

Mammoth Yellow Soy Beans

INOCULATE WITH R-H CO'S INOCULATION

The latest, yet the most extensively grown for both beans and forage, both of which it yields in greater abundance. It grows more than three feet high, is erect in growth and can be cut with a mower. Valuable for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean hay; sow seed in May broadcast at the rate of two bushels to the acre; when planted in drills use ½ bushel of seed to the acre. Qt. 35c; postpaid.

Mammoth Brown A fine big foliage variety, succeeds well in this section; won't shatter. The plant is upright, with heavy branches; a big yielder of beans and foliage. Does well on all soils. It is a medium early variety; matures its beans in about 110 days.

The Mammoth Brown Soy Bean, like other varieties, is high in protein content, and the hay is equal to alfalfa. They make wonderful ensilage when grown with corn, and are also excellent for hog pasture. We recommend this variety to be one of the best to plant with corn for silage. It is erect in growth, having no runners to wrap up everything in sight. It should be planted in rows 3 to 5 feet apart and 8 to 10 inches in the row; sow 10 to 12 pounds to an acre. Mammoth Brown Soys grow 4 to 5 feet high and are covered with a dense mass of foliage that does not shed easily. When sown broadcast, use 1 to 1½ bushels of seed to the acre. Qt. 35c; postpaid.

Calcium Nitrate

15% Nitrogen; 50% Limestone Equivalent
Attracts Moisture—Dissolves Quickly.

Calcium Nitrate is the most quickly and easily soluble of all nitrogen fertilizers. It will dissolve in its own weight of water. In dry weather, it will attract enough moisture from the air to dissolve itself. Even in a dry season, it absorbs sufficient moisture from the soil to dissolve and begin feeding the crop at once. Calcium Nitrate is the quickest and surest nitrogen fertilizer to use in dry weather. Prices given on application.

MORE HAY

This is the time to keep going—raise more hay, notwithstanding you raised a bumper crop of hay the past season. Don't fail to keep up the good work. With lower price of cotton and cottonseed you must produce your hay at home. You can then raise cotton at present value.

Soy beans will make you a sure crop of hay; they stand dry weather and are easily cured. Write us for prices on large quantities of soy bean seed.

VELVET BEANS

Makes an enormous growth for forage, also worth millions to the South as a soil builder, besides its value as a fall and winter feeding crop.



Early Speckled Velvet Bean

EARLY SPECKLED OR 100-DAY VELVET—The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre. Qt. 45c; postpaid.

MUNG BEANS

Mature about 15 days earlier than Soy Beans and Cowpeas and invariably have produced larger tonnage of hay and forage, as well as larger production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers yet discovered. Requires about 8 pounds of seed to plant one acre. Plant in May in rows about $3\frac{1}{2}$ feet apart and 2 to 4 inches apart in the rows. 1 lb. 50c; postpaid.

AUSTRIAN WINTER PEAS

This wonderful winter cover and forage crop was introduced from Europe several years ago. The dairy farmers over there plant them very extensively for use as green forage during the winter and early spring. From the standpoint of cold resistance and enormous winter growth, we consider the Austrian Winter Pea one of the most successful winter legumes for the South. It has been known to stand very low temperatures and, being a fast grower, is very valuable for winter pasture. Plant in September or October, when the ground is not in use, and it can be plowed under early in the spring, before time to plant spring crops. Will keep the land from washing and packing and at the same time furnish much valuable fertilizer. If desired the crop can be cut and used as feed. We advise sowing broadcast, 20 to 25 pounds per acre, mixed with a bushel of Rye, Oats, Barley or Wheat, or can be sown alone in drills at rate of 40 pounds per acre. 1 lb. 25c; postpaid.

Stock Peas May be sown any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

WHIPPOORWILL—Favorite early bunch hay variety.

NEW ERA—The earliest upright-growing variety.

BLACK STOCK—Large vining variety. Best for thin land.

CLAY—Early vining variety for hay.

RED RIPPER—Vines grow long; great hay variety.

WONDERFUL or UNKNOWN—On account of the great growth of the vines, this variety is especially valuable.

MIXED—Preferred by many for hay; will grow thicker than separate varieties.

LARGE WHITE BLACK EYE—The dried peas are readily saleable as table peas during the winter.

WHITE CREAM or LADY—Fine flavor for table use.

WHITE CROWDER—An excellent variety for table use.

BROWN CROWDER—Large size, of fine flavor.

Prices on Stock Peas given on application. Let us know how many you will need.

WINTER HAIRY VETCH



Winter Hairy Vetch

Winter Hairy Vetch Sow in September or October, 15 pounds to the acre with one bushel of rye or oats. Inoculate the seed. 1 lb. 25c; postpaid.

Canada Field Peas Use for the same purpose that the Cowpea is used in the summer. Canada Field Peas are one of the best cover crops that can be grown; also excellent for hay. Resists the cold weather.

It is good feed either green or dry for cattle. Sow in January, February and March, 60 to 90 pounds of seed to the acre with one bushel of oats. Qt. 35c; postpaid.

Artichoke (Jerusalem) Excellent for fattening hogs. Plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in rows. Immensely productive. Three bushels will plant an acre. Qt. 35c; 4 qts. \$1.00; postpaid.

Chufas An excellent hog-feeding crop, fine for light soils. Plant in rows, one peck to the acre, in April or May. 1 lb. 40c; postpaid.

Teosinte A fodder crop. Sow in May or June, in drills, 2 pounds to the acre. 1 lb. \$1.25; postpaid.

Thousand Head Kale Yields more than Rape; fine for sheep or hogs. Sow in March or April; also in September. Broadcast 4 pounds to the acre. 1 lb. 35c.

Fall or Winter Barley Sow in September or October, $1\frac{1}{2}$ bushels to the acre. 1 lb. 20c; postpaid.

Abruzzi Seed Rye Sow broadcast, 1 bushel to the acre, in September and October. 1 lb. 20c; postpaid.

Southern Seed Rye Sow in September or October, $1\frac{1}{2}$ bushels broadcast to the acre. 1 lb. 15c; postpaid.

Red May Seed Wheat Sow broadcast $1\frac{1}{4}$ bushels to the acre in October and November. 1 lb. 15c; postpaid.

Broom Corn

IMPROVED EVERGREEN BROOM CORN—An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. 1 lb. 20c; postpaid.

OKLAHOMA DWARF BROOM CORN—Straight, stiff stems and leaf; markets readily. 1 lb. 25c; postpaid.

Buckwheat Sow three pecks to one bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees. 1 lb. 25c; postpaid.

Russian Sunflower Especially desirable for poultry and parrot feeding. Plant 6 pounds to acre in April or May and cultivate like corn. A big yielder and grows anywhere. 1 lb. 25c; postpaid.

R.-H. Co.'s SEED OATS AND MILLET

OATS—One of the surest, best, and cheapest crops to grow. No farmer should fail to sow a good acreage in oats, either for grain or hay crop. They are ready to harvest or cut early in May, just when you need feed the most.

CULTURE—Sow as early as possible, in February and through March, in good soil two to two and one-half bushels to the acre. If the soil is poor, use 200 to 300 pounds 16% Phosphate to the acre. Cut them for hay when the oats are in the milk stage or about half matured.

Early Burt or Ninety-Day Oats

Probably the earliest maturing of all Oats, hence Burts can be planted after it is too late to sow any other variety. Can be planted in March and mature in time to escape injury from heat. Early plantings can be cut in time to put the same land in corn, cow peas, soy beans, peanuts, cane, millet or other summer crops. For quick feed in the spring and for grazing, the Early Burt is the best of all. It is not a heavy yielder of grain, but fine for cutting in the dough stage.

Calcium Nitrate

should be used on spring Oats just before grain is in the boot stage. It increases the yield substantially. Calcium Nitrate contains 15% nitrogen and as much Calcium Lime as half of its weight of lime stone.

Fulghum A rust-proof variety developed from the original Red Rust-Proof Oat. It is one of the most satisfactory and popular oats known. Its productiveness and early maturity, probably more than any of its other good qualities, have contributed to its wide popularity. They stool out splendidly, have large full heads, fine plump grains, and strong straw that stands about 3 feet high.

Over a three-year period in a comparative test made in the Southeast, Fulghum Oats average 12 bushels to the acre more than all other varieties. The grains are plump, usually of exceptional weight. Sometimes a bushel by measure weighing 37 pounds, and quite often 35 pounds; add to this the extreme earliness of Fulghum Oats and you have an ideal oat.

Millet Nothing pays better for a stock raiser or a dairy farmer than a few acres of Millet, for it not only yields at least half again as much hay per acre as Timothy or Clover but is also of the greatest feeding value and milk producing quality. When spring is so unfavorable that other crops fail to grow, or when the season is so late that corn will not mature any more, Millet is invaluable. Millets are also used as a catch crop after early grains. When sown in hot weather it is especially good to subdue weeds.

Tennessee Golden Millet

Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant 1½ to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cow peas for a hay is increasing in favor each year. When this is done, use an early variety, such as Whippoorwill or New Era, sowing about ¾ to a bushel of Millet with one bushel of peas to an acre. 1 lb. 20c; postpaid.

Japanese or Barnyard Millet (Called Billion-Dollar Grass in the West)—Distinct from other millets; grows 4 to 6 feet high, yielding an enormous crop that in quality is equal to cornfodder and is relished by stock. Sow in May, June or July, 20 pounds to the acre broadcast; or sow in 15-inch drills and cultivate until it is 18 inches high. When green, feed a moderate quantity at first, gradually increasing the quantity as the animals become accustomed to it. 1 lb. 30c; postpaid.



Big Crop from Fulghum Oats

Red Rust-Proof

Thousands of acres are planted to Red Rust-Proof Oats each year. Oats in the South have long been subject to rust and that's why the Northern White Oats are not successful down South. The Red Rust-Proof Oat is a very vigorous grower, robust and productive, does well on low ground. It is a heavy producer of grain year after year.

Tennessee Winter Turf Oats

Tennessee has long been famous for its Winter Turf Oats, which have probably the greatest propensity for stooling of all the present-day oats. Further, they are the hardiest oats we have and will come through the winter when other varieties have all been killed out. This does not mean, of course, that they can't be killed, for that can't be said of any growing crop, but the fact remains that Winter Turf Oats are about the safest oat we in the South can plant in the fall. Due to their strong turfing and stooling characteristics they excel all other oats for grazing purposes after fall planting.

Pearl or Cattail Millet

A well-known and valuable green forage plant for the South. It is one of the greatest and best yielders of green forage and continues to grow and produce through the entire season if cut frequently enough to prevent its going to seed; three to four cuttings may be had. Especially well adapted for our Southern states. Greatly relished by all kinds of stock and they eat it greedily. Pearl Millet goes a long way towards solving the forage problem and ought to be grown on every farm; fine for dairy cow and cattle feeding. Sow thinly in rows 8 feet apart at rate of 8 to 10 pounds per acre. 1 lb. 35c; postpaid.

Hungarian Millet

An early forage plant, early and productive, growing 2 to 3 feet high, with an abundance of foliage, often yielding 2 to 3 tons per acre. Sow 1 bushel to the acre. 1 lb. 25c, postpaid.

Oat Prices

Prices on Seed Oats are changing constantly. Send us a card, state quantity you will need, and we will quote the lowest market price.

See Green Ink List enclosed for present prices on Seed Oats and Millet.

Kanota Oats

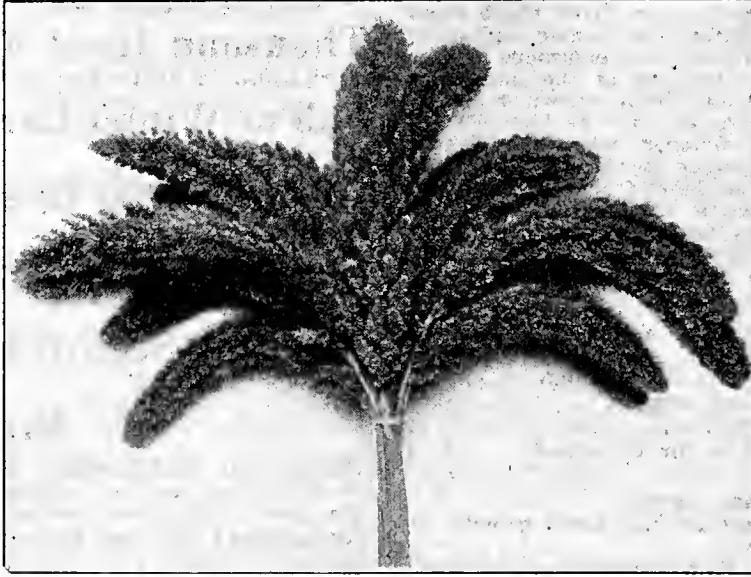
Bred at Kansas Experiment Station; named for three states, Kansas, Oklahoma, Texas. Bred from an improved strain of Fulghum, and often called Kanota-Fulghum. A splendid variety, early in maturity, always a big advantage; an exceptionally heavy yielder of both grain and straw, with a uniform plump, heavy berry. Quite resistant to cold and for that reason much sought after for fall planting.

Appler Oats

This is another development from an improvement over the old original Red Rust-Proof Oat. Its main claim to popularity is the extra yield that it gives, which is fully equal to the famous Fulghum Oat, though the Appler is not quite so early as the Fulghum.

Calcium Nitrate

contains both Nitrate Nitrogen and Calcium Lime. All crops and soil are benefited by lime.



RUSSELL-HECKLE'S Pure Bred Cotton Seed

Machine Culled and Graded

We have the latest improved machinery installed in our own warehouses for culling out hulls, loose cotton, trash, for removing the light weight immature seed, and blowing out all dirt. Therefore the seed we ship are plump, full weight, uniform seed; clean of all trash; easy to plant, come up to a uniform stand of strong, vigorous plants (plump heavy seed produce strong plants—light weight seed produce weak, sickly plants, and we remove these). Our culled and graded seed require less seed per acre to obtain a stand, which is a saving, and they produce more cotton per acre, which means more profit to you.

Tested For Germination

Germination tests are made on all our seed, and a careful record kept. We offer no seed to anyone that we haven't every reason to believe is right. We do not leave such matters to chance.

The Best of Each Variety

We keep constantly in touch with plant breeding work all over the South. As soon as a new variety has proven its worth and is available in commercial quantities, we have the seed to offer to our customers. We buy from breeders where their production is large enough for the needed requirements.

Missdel No. 1 (DELFOS 631-2458)—Missdel No. 1 is the most outstanding strain of big boll, extra early, extra staple cotton yet developed. Its characteristics are as follows:

Type—Semi-dwarf and very hardy. Maturity—Extra early. Prolificness—Unusually prolific and close-fruited on limbs for a big-bolled cotton. Boll size—55 to 60 per pound. Highly storm resistant—Selected for bolls to hang down. Lint percentage—33 to 35 per cent. Staple—One and three-sixteenths inches to one and seven-thirty-seconds inches full.

This cotton is a proven money-maker and the best picking cotton we know of. Labor can pick 47 per cent more Missdel No. 1 than old Delfos 6102. This cotton is especially adapted to Delta and bottom lands. For your information we might add that Missdel No. 1 and No. 2 are the most outstanding strains of cotton, of their distinct characteristics, to pass through the experiments at the Delta Experiment Station.

Missdel No. 2 (DELFOS 6102-1341)—Missdel No. 2 is the earliest, most prolific, medium sized boll strain of Delfos ever developed. Over a period of years it has outranked all others in money value and has the following characteristics:

Type—Open, spreading, semi-dwarf stalk with small leaves. Maturity—The earliest we know of. Boll size—75 to 80 per pound. Prolificness—The most prolific and close-fruited of all staple cottons. Highly storm-resistant. Lint percentage—34 to 36 per cent and better. Staple—One and one-eighth inches to one and three-sixteenths inches.

D. & P. L. No. 4 The most popular upland cotton of quality yet developed. It will give you a good inch staple, and 1,250 to 1,300 pounds will give you a bale. This cotton is early enough to beat the boll weevil, and the large bolls make it an excellent picker. It has enough vigor to be used in wilt-infested lands with very satisfactory results. Number 4 has a larger boll than some of its later selections. We especially recommend D. & P. L. No. 4 for the grower who wants a full inch staple. This seed is re-cleaned, graded and culled.

D. & P. L. No. 4-8 Same blood, but improved in several characteristics. A new type that will give excellent results.

Wilds No. 1 Extra long staple, 1 3/16 to 1 5/16, excellent quality; big boll, 60 to 64 to pound; picking qualities good, yet storm resistant. Lint outturn about 33 per cent.

Wilds No. 2 and No. 3 Same blood as No. 1, but improved, little better staple; 1 1/4 to 1 3/8 in.; bolls little larger, yield little heavier.

Acala Imp. The best cotton we know of among the 1 1/16 to 1 1/8 inch cottons. Cotton buyers everywhere are partial to Acala and it usually brings a premium over other cottons of same type. It has an extra strong, tough, and silky fibre, which explains the premium in price.

We have seen Acala lint in constant demand among cotton buyers when longer and shorter staples were left on the tables.

Acala has quite a large boll, yet it is an early maturing cotton; it is easy to pick, yet storm resistant, and one of the best drouth-resistant varieties we know of. Lint percentage runs usually 35 to 37 per cent, another advantage over staple cottons.

COTTON SEED PRICES

All cotton seed described above are quoted in the Green Ink Section in the first part of this book.

Mississippi Station Trice This is the strain of Trice that has given far superior results to any other strain that has come under our observation.

It is just about the earliest cotton grown which is about the best thing you can say for any cotton. One of our larger cotton planter customers has found Mississippi Station Trice paid him more money than any other cotton he has planted. He is in Tennessee along the Mississippi River, about 50 miles north of Memphis where earliness counts.

Length of staple is usually 1 1/16 inches, medium size boll. The plant is not large and the foliage is light; about 1,500 pounds of seed cotton makes a 500-pound bale. Only a small amount of Mississippi Station Trice seed is available this spring, so if interested, place your order early.

Coker's Cleveland No. 5 Originated by the Coker's Pedigreed Seed Co. in South Carolina, and one of the two highly-bred strains of Cleveland cottons. Pulls about 1 1/16 inches, very uniform staple, and uniform in plant size and size of bolls. Bolls are large, easy to pick; lint percentage 37 to 38 per cent; medium foliage, a very prolific cotton of early maturity.

Rowden 40 A highly bred and very superior strain of Rowden Big Boll, developed at the Cotton Experiment Station in Arkansas. Some remarkable crops of Rowden 40 have been reported and it is a general favorite in Arkansas. Has an extra large boll, easy to pick, yet storm resistant; early maturity, lint percentage averages 35%, length 1 1/16 inches and very prolific. Highly wilt resistant.

Wannamaker Cleveland Wannamaker Cleveland is a short cotton, say 7/8 to 1 inch in length, and for about fifteen years this variety has stood the test of time, maintaining its popularity against all comers. In our opinion it is by far the best of the cottons of its length on the market today.

Wannamaker Cleveland has a medium sized boll that is easy to pick and an unusually large turn-out at the gin, about 37 or 38 per cent usually—only 1,350 pounds being required to make a 500-pound bale.

Wannamaker Cleveland can be planted on any soil and will come nearer thriving under any and all conditions than any cotton we know of.

Half and Half Most cotton buyers will tell you not to plant staple, and rather brittle. That's why we have preferred other varieties; however, year after year, some farmers plant nothing else, and get almost as much per pound for their cotton as any short cotton brings. They claim what they lose in price they make in yield, so there you are. As long as a man makes money he doesn't care what name his cotton is called.

Half and Half has the best turn-out at the gin of any cotton—1,200 pounds, making a bale of 480 to 550 pounds. It is also an early cotton and a heavy producer.

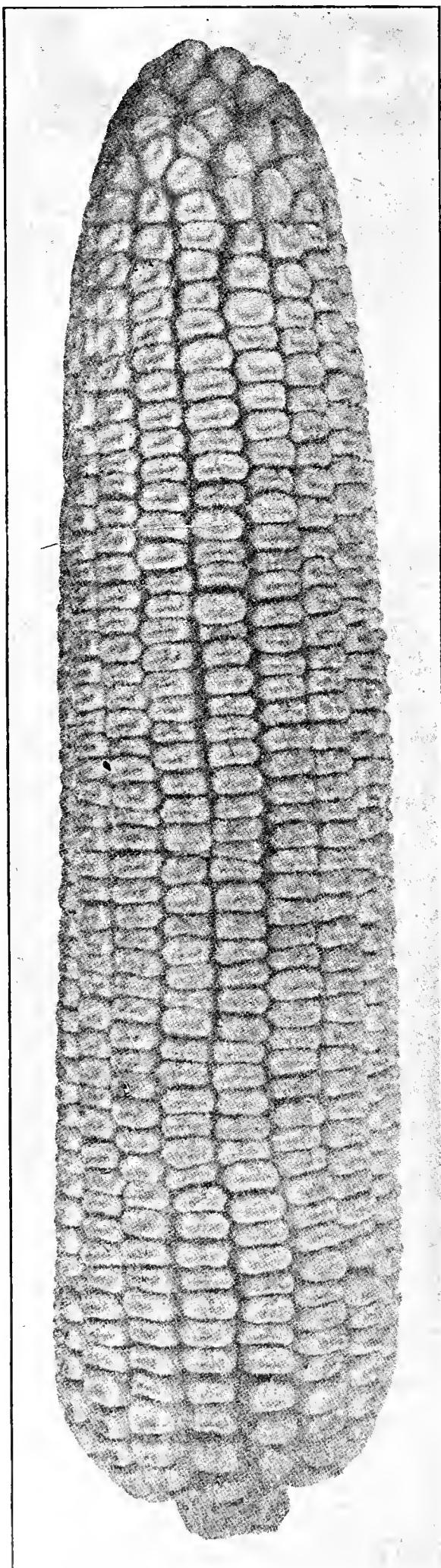
Nitrophoska 15-30-15—A valuable fertilizer for cotton, containing 3 times as much plant food as the ordinary fertilizers. You are required to put down only 1/3 as much, thus saving labor, freight, time and money.

Nitrophoska is quickly effective, contains 15% Nitrogen, 30% Phosphate and 15% Potash. Used at the rate of 400 lbs. to the acre in the row before planting you will increase the crop nearly 50 per cent.

Try Nitrophoska this year on just a few acres of cotton and you will be agreeably surprised at the results. Let us quote you prices.

RUSSELL-HECKLE'S FIELD SEED CORN

Our Top Notch Grade of Seed Corn is grown by men informed on the newest and most successful methods of breeding. With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply each of our customers with the very best seed of the variety which is best adapted to his requirements. We have found that, as a rule, the Southern varieties give the best yields in our territory, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.



WHICH GRADE OF CORN DO YOU WANT?

R.-H. Co.'s Top Notch Corns are selected by experienced people with the utmost care from high-yielding fields, are nubbed, tipped, graded and cleaned. Our sole purpose in spending so much time and labor on the selection of these seeds is to make them a superior seed stock. If you are seeking the best in seeds, order our Top Notch grade—you will be rewarded when you gather your crop.

Commercial Grade Corns

Are cheaper in price—they are worth the price asked, but are not as carefully selected, not nubbed and tipped like our Top Notch Corns. Our Commercial Grade Corns are carried to meet low-price competition, for price is first consideration with some buyers. They are the equal of any corns selling at same price, and better than most.

See Green Ink List enclosed for prices on Commercial Grade Corns.

R.-H. Co.'s Top Notch Paymaster We indorse this corn as one of the most satisfactory and heavy yielding varieties for the southern farm. Its origin is southern, its reputation is southern and its nature is southern. It is similar in type to the well-known Tennessee White, Red Cob, but the ears are not as large and it produces two to the stalk. Matures in about 110 days. The cob is smaller, has well-filled butts and tips and will shell more corn than the Tennessee. The grain is deep white, the cob is bright red, the type is standard and popular. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch Tennessee White Red Cob

An extra large field corn; grains long, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. This is not only one of the largest grain, greatest yielding and one of the highest feeding and best milling corns grown in the South, but owing to the fact that the stalks grow from 8 to 12 feet high, are broad, strong and short-jointed it makes one of our best ensilage corns. Matures in 120 days. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch Hickory King The grain is so wide and deep and the cob so small that often a single grain will cover the end of a broken cob. It has been called the Poor Man's Corn because it can be depended upon to produce a crop on poor, thin land. On good land it bears two ears to the stalk. Postpaid, 1 gallon 80c; not prepaid, 1 gallon 60c.

R.-H. Co.'s Top Notch Silver Mine Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small white cob. Matures in 100 days. Postpaid, 1 gallon 65c; not prepaid, 1 gallon 45c.

R.-H. Co.'s Top Notch St. Charles White Red Cob

The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days. Postpaid, 1 gallon 65c; not prepaid, 1 gallon 45c.

Russell-Heckle's Gourd Seed Red Cob A dandy, long deep - white grain set on a medium red cob. Ears good average size, 8 to 9 inches in length. Stalks usually bring two good ears. A southern grown variety that will do well in this section. Postpaid, gallon 90c; not prepaid, 1 gallon 70c.

R.-H. Co.'s Top Notch Early White Dent Selected with the idea of furnishing our customers a dependable and extra productive, early-maturing variety. Grains white, of medium size, cob white, ear 10 to 12 inches long, stalk of medium height. A fine White Corn for general crop, earlier than most standard varieties. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch Tait's Early White Dent The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The grains are pure white, compact and heavy. The cob small. Postpaid, 1 gallon 80c; not prepaid, 1 gallon 60c.

R.-H. Co.'s Top Notch Surecropper Corn A dandy White Corn, especially adapted to our southern climate; stands drought well; just one rain to give a good stand. Surecropper will pull through the season and make a sure crop without another drop of moisture. Surecropper will produce two ears, average 10 inches in length and the ears have 14 rows of good, white, plump grains, which fill out to the end. Surecropper will make good roasting ears in 60 days and will mature in 100 to 110 days. The grains are rather broad, snow-white and will shell out 82-85 per cent grain. It is a drought resister and, therefore, as its name implies, a Sure Cropper. Postpaid, 1 gallon 80c; not prepaid, 1 gallon 60c.

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

R.-H. Co.'s Top Notch Mosby's Prolific

One of the most prolific corns in existence; the stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a southern corn, and is recommended for general crop. It is pearly-white, small cob, deep full grain, neither too hard nor too soft, and stands crowding in the drill as close again as any other kind. Ears slightly under medium size. Matures in 110 to 120 days. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch Hastings' Prolific

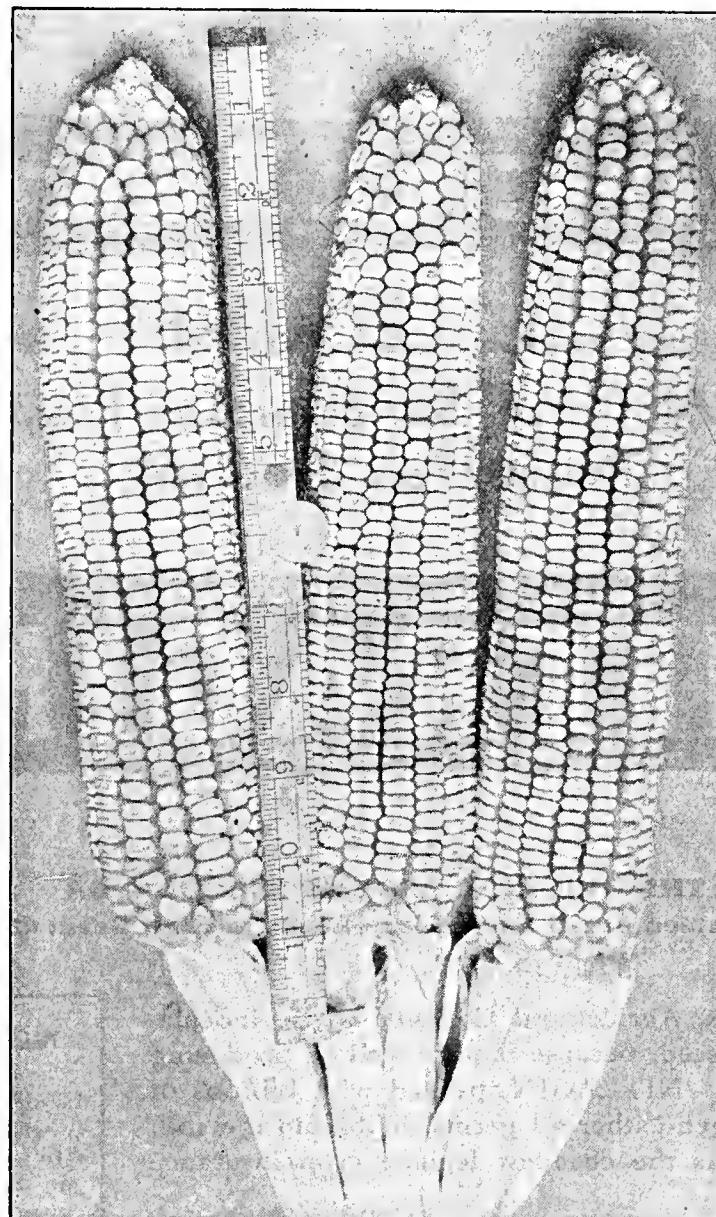
The introducer claims that it will make two ears to the stalk on average land, and if planted 24 to 30 inches apart in the row on good strong land, four to six ears to the stalk can be had. The ears are well filled at both ends; the cob is small; the shuck is heavy and covers the ear tightly, protecting it from birds and insects, and preventing loss in wet seasons. Matures in 120 to 130 days. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

Hand Corn Planters

Especially desirable for replanting corn, etc.

Both styles, either the one-hand or two-hand planters are accurate, strong and durable. They can be set to plant two to six grains in a place as required; simple and easy to operate.

Price: One-hand planter \$1.25 each; two-hand planter \$1.75 each, f. o. b. Memphis.



R.-H. Co.'s Top Notch Mosby's Prolific Corn

R.-H. Co.'s Top Notch Early Yellow Dent

When you desire an early maturing, yellow corn, buy R.-H. Co.'s 90-Day Yellow Dent—a hustler, very productive and desirable all around. Postpaid, 1 gallon 65c; not prepaid, 1 gallon 45c.

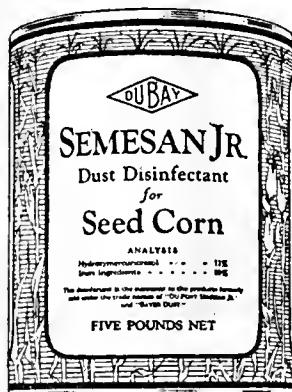
Quantity Prices—See Green Ink List enclosed for quantity prices on corn.

R.-H. Co.'s Top Notch Mexican June Corn

This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 6 feet long. The roots run deep and spread, so that it is splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and always considerable blue grains, making a very attractive ear. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. Postpaid, 1 gallon 80c; not prepaid, 1 gallon 60c.

Semesan Jr. is used as a dust disinfectant to control the ear, root and stalk rots of corn. In tests conducted in both Illinois and Iowa by the Federal and State governments, SEMESAN JR. increased yields from diseased seed by varying amounts up to 38%.

SEMESAN JR. is applied only as a dust, at the rate of 3 ounces per bushel of seed. The cost therefore is only about 5c an acre of field corn. Send for SEMESAN JR. Corn Pamphlet with full directions. Price, 4-oz. tin 50c; 1 lb. tin \$1.75; 5 lb. tin \$8.00; cannot be mailed.



R.-H. Co.'s Top Notch Little Willis Prolific White Corn

An exceptionally well-bred corn. One that we believe will give anyone who plants it materially increased corn yield. The ears run 7 inches and over in length, 6 inches in circumference, carry 16 rows of corn $\frac{3}{8}$ inch deep on a white cob not over $1\frac{1}{4}$ inches in diameter. It has consistently yielded 3 to 5 ears to the stalk. It is pure white; a prolific corn. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch North Carolina Prolific

A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch Cocke's Prolific

Medium, medium-sized ears, pearl-white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy. Postpaid, 1 gallon 80c; not prepaid, 1 gallon 60c.

R.-H. Co.'s Top Notch Jarvis Golden Prolific

This is one of the finest corns for this section on our list. A natural drought resisting variety, one of the few varieties of Yellow Corn that produces more than one ear. It is just hard enough to withstand any kind of weather in the fall. Crops have been left in the field until early spring and then came out good, sound corn.

A native southern Yellow Corn—carefully bred—and one that bears two good ears to the stalk. The stalk is rather dwarf, 6 to 8 feet high, and does not fall down in stormy weather. Grains are a deep golden-yellow; ears are firm and solid, about 7 to 10 inches long. The grain is medium in size. This is a very productive and desirable variety, and is drought resistant.

Our seed is all carefully selected. It will please you.
Postpaid, 1 gallon 70c; not prepaid, 1 gallon 50c.

R.-H. Co.'s Top Notch Reid's Early Yellow Dent

This is a leading standard yellow variety originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion, this is the most popular variety of yellow corn grown in the United States. Color, deep yellow, with lighter cap. Grain deep, closely packed; butts and tips almost entirely covered over. Matures in 90 days. Postpaid, 1 gallon 65c; not prepaid, 1 gallon 45c.

Russell-Heckle's Yellow Gourd Seed

A very deep, long yellow grain variety. Ears large, heavy and of fine shape. The grain is bright golden yellow. Remarkably long and deep, and is always sound, being just hard enough to withstand a wet season. Supply of this variety is limited, so get your requirements early.

Postpaid, gallon 80c; not postpaid, gallon 60c.

NITROPHOSKA

A Dandy Fertilizer for Corn

Nitrophoska contains 15 per cent nitrogen, 30 per cent phosphoric acid and 15 per cent potash—all of which is soluble and easily available for rapid, sturdy growth.

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

Inoculate

ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch,
Peanuts, Peas, Beans with

All Legume
Germs Are
Perishable

NITRAGIN
Expiration
Date
Protects You

Legume
Germs Die
Rapidly
When Dried

Authorities
Recommend
Inoculating
With Water

NOBBE-HILTNER PROCESS

NITRAGIN

TRADE MARK REG'D. DEC. 5, 1898 NO. 32212

THE ORIGINAL LEGUME INOCULATOR
Guaranteed Fresh Each Year—Leads in High Germ Count

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN, packed with billions of fresh, efficient nitrogen-gathering germs, builds up the soil. Quality inoculation is the cheapest legume crop insurance known.

The billions of fresh nitrogen-gathering germs in NITRAGIN draw the nitrogen from the air—not the soil—developing heavy clusters of nodules on the roots of the plant where nitrogen is stored. After the harvest, a rich store of nitrogen remains in the soil for future crops.

Because Legume Germs are PERISHABLE, NITRAGIN places the Expiration Date on every package. Furthermore, because ALL Legume Germs die rapidly when dried, NITRAGIN is packed moist and stays moist until applied to the seed. For this reason also, directions on every NITRAGIN can say "Plant inoculated seed as soon as possible."



Sold in ventilated
tins — packed in a
rich, moist, soil-like,
granular medium.
Easy to apply on
seed. Directions on
every can.

Mixing Nitragin with Seed

Legume Germs die rapidly when dried. NITRAGIN, containing between 30%—40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitragin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

NITRAGIN PRICES

Alfalfa, All Clovers

Size	Retail
1/4 bu.....	\$.40
1/2 bu.....	.60
1 bu.....	1.00
5 bu.....	4.75

When ordering, always
specify kind of seed

Peas, Vetch, Beans, Austrian Winter Peas

Size	Retail
1/2 bu.....	\$.40
1 bu.....	.60
*1 1/2 bu.....	.90
3 1/2 bu.....	1.80
5 bu.....	2.50

*Also called "100 lb.
size."

1 bu.....	\$.40	5 bu.....	\$ 1.50
2 bu.....	.70	10 bu.....	2.50

Garden Nitragin—Garden Size—

Peas, Beans, Sweet Peas

Inoculates from 1 ounce to 8 lbs. seed. Price, \$.25

IMPORTANT: When ordering NITRAGIN, always be
sure to state kind of legume seed you wish to inoculate.

NITRAGIN HAS SERVED THE AMERICAN FARMER SINCE 1898

Russell-Heckle Co's. TOP NOTCH **INOCULATION** for all legume crops

The legume crops, such as alfalfa, the clovers, soy beans, vetches, peas, etc., are known as soil builders because certain soil bacteria make nodules on their roots in which nitrogen is gathered from the air and stored. If these special bacteria are not present, the crop robs the soil instead of building it up. The only way to make sure that there is a sufficient supply of nodule bacteria in the soil is to inoculate the seed before sowing with a culture of the right kind of bacteria. Inoculation produces the following results.

1. **Insures Better Stands.** The legume crops require plenty of nitrogen in their early growth. Inoculation makes an ample supply available.
2. **Insures Bigger Crops.** Inoculation by increasing available plant food promotes the most vigorous growth and produces bigger crops.
3. **Increases Value of Crop for Feeding.** By feeding nitrogen to plants, their protein content and, hence, their feed value, is greatly increased.
4. **Adds Fertility to Soil.** Inoculation provides plenty of nitrogen for the crop and, when it is turned under, adds to the soil an average of 100 pounds of nitrogen per acre.

Top-Notch—Easiest and Surest Form of Inoculation

Top-Notch Inoculation is a scientific pure culture of root nodule bacteria, prepared on special food jelly in bottles with patent stoppers which permit the bacteria to live and breathe and maintain their vigor. Each culture contains plenty of bacteria to inoculate the quantity of seed marked on the bottle. The cost per acre is very small. Moreover, Top-Notch Inoculation is easiest inoculation to use, requiring no equipment or experience. Takes only a few minutes. Complete directions on every bottle. Results are sure. Buy your Top-Notch Inoculation when you buy your seed. Always specify names of crop as well as size of culture wanted.

PRICES—ORDER BY CROP

For small seeds—Alfalfa, Alsike, Red, White, Sweet and Crimson Clovers.

½-bushel size	\$.60
1-bushel size	1.00
5-bushel size	4.00

For large seeds—Cowpeas, Soy Beans, Lespedeza, Velvet Beans, Vetches, Field Peas and Winter Peas.

1-bushel size	\$.40
5-bushel size	1.50
10-bushel size.....	2.50

Garden size—for English Peas, Garden Beans and Sweet Peas.

All parcel post paid.....	\$.25
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RUSSELL-HECKLE'S NURSERY DEPARTMENT

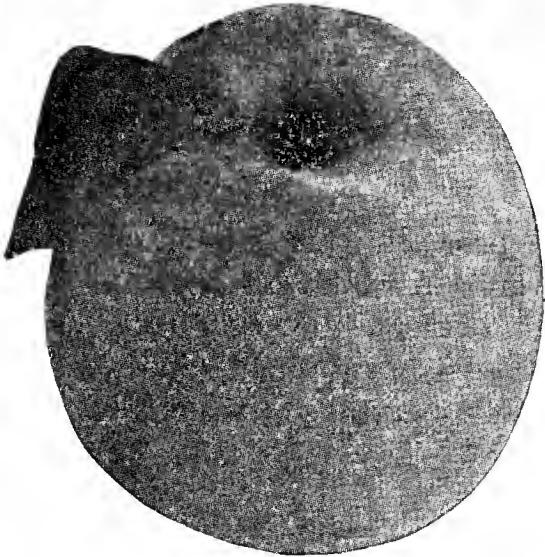
CULTURE—Set out small trees. They are more certain to grow and will bear fruit just as early as any larger or older tree. It is a mistake to reset any tree older than two years.

CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

Terms: Cash, F. O. B. Nursery. No trees shipped C. O. D.

Nursery stock is too large and bulky to be shipped as parcel post. It is important that express office be given.



Mayflower Peach

Apples FIRST GRADE TREES. Four to five feet in height. Each 45c; 5 for \$2.00; 10 for \$3.50; 100 for \$25.00.

ORCHARD SIZE—Two to three feet, tied in bunches of 5 and sold in multiples of 5. \$12.50 per 100; less than 100, 20c each.

EARLY HARVEST—Medium size, pale yellow, juicy. May and June.

YELLOW TRANSPARENT—Greenish-yellow skin; white flesh. One of the earliest to ripen. May and June.

RED JUNE—Deep red skin; white flesh, tender and very juicy. June and July.

YELLOW HORSE—Large; greenish-yellow skin; flesh acid. July and August.

DELICIOUS—Fruit large and easily identified by its sheep-nose shape. Skin dark red; flesh fine-grained. Late fall.

MAMMOTH BLACK TWIG—Tree hardy; not subject to blight. Fruit large red, of excellent quality; matures late.

STAYMAN WINESAP—Skin dark red; flesh crisp and juicy. October.

WINESAP—Good quality dark red skin; crisp, sub-acid flesh. September and October.

ARKANSAS BLACK—Very dark red. Ripens in September.

TRANSCENDENT CRAB—This is one of the best and largest of the Siberian Crabs; the fruit is a bright yellow, striped with red; excellent for culinary purposes; immensely productive.

Plums First grade trees, 4 to 5 feet in height. Each 60c; 5 for \$2.75; 10 for \$4.50; 100 for \$40.00.

ABUNDANCE—(Japanese). Large; amber in color, changing to red. Ripens a week later than Red June.

BURBANK—(Japanese). Fruit large, deep red overlaying a yellow ground. Flesh deep yellow and very sweet. July.

RED JUNE—(Japanese). Deep red skin, light yellow flesh; sub-acid. A semi-cling, ripening in June and July.

SHROPSHIRE DAMSON—The most desirable preserving variety.

Ripens August.

WILD GOOSE—(Native). Fruit large, red, richly acid. Ripens early.

Figs First grade; 3 to 4 feet. Each 60c; 5 for \$2.75; 10 for \$5.00; 100 for \$35.00.

BROWN TURKEY—Fruit fair sized, pear-shaped; skin coppery-brown. Very hardy.

CELESTIAL—Small, violet colored. Very prolific and of excellent quality. Hardiest of all Figs.

Cherries First grade, 3 to 5 feet. Each 70c; 10 for \$6.00; 100 for \$50.00.

GOVERNOR WOOD—(Sweet). Large; light yellow skin with tinge of red. Ripens middle of May.

EARLY RICHMOND—(Sour). One of the earliest. Light red fruit. May.

LARGE MONTMORENCY—(Sour). Best variety for general planting. Large, bright red.

Grape Vines Two-year plants. Each 25c; 5 for \$1.00; 25 for \$3.75; 100 for \$12.50.

CAMPBELL'S EARLY—A big black grape, larger than Moore's Early; ripens ahead of Concord.

CONCORD—Bunch and berry large; blue-black in color.

MOORE'S EARLY—Ripens about two weeks ahead of Concord. Black.

NIAGARA—Berry large; white with rather tough skin.

Peach Trees

FIRST GRADE TREES. Four to five feet in height. Each 45c; 5 for \$2.00; 10 for \$3.50; 100 for \$25.00.

ORCHARD SIZE PEACH TREES—Two to three feet, one year. Sold only in multiples of 5 of each variety. 100, \$12.50; less than 100, 20c each.

These ripen in succession as listed—Mayflower first, Heath Cling last.

MAYFLOWER—(Free). The earliest peach known. Fruit medium size, entirely covered with red. Last of May.

RED BIRD—Extremely early, a money-maker. Seldom misses producing a crop, as it blooms late, so cold weather doesn't hurt the fruit buds. Flesh is creamy white, of fine firmness. The outside skin is brightest red, highly colored. When thinned it grows to a good size.

CHAMPION—Ripens July 20th. Freestone. White with red cheek; grows to large size.

CRAWFORD'S EARLY—Yellow freestone; very large, sweet. Ripens July 25th.

ARP BEAUTY—(Free). The earliest of the yellow-fleshed peaches. Skin yellow, mottled with red. Early June.

GREENSBORO—(Free). Early; skin white with red cheek; large oblong in shape. June.

CARMAN—(Free). Creamy-white skin with red cheek. June.

EARLY ELBERTA—(Free). Large; yellow-fleshed. Follows Carman.

YELLOW HILEY—(Free). Ripens along with White Hiley; large size, flesh deep yellow. Middle July.

BELLE OF GEORGIA—(Free). White skin with red cheek; flesh white. July.

ELBERTA—(Free). Yellow skin with red cheek; flesh yellow and juicy. Middle August.

INDIAN OR BLOOD CLING—(Cling). Large size; dark red flesh. Middle till last August.

J. H. HALE—(Free). Deep red skin, yellow meated. Ripens a few days later than the Elberta.

HEATH CLING—(Cling). Firm white flesh. Last of August.

Scuppernong Grapes

Two-year plants. Each 60c; 10 for \$4.50.

SCUPPERNONG—Large bronze fruit; sweet, pulpy flesh.

Pears First grade trees, 4 to 5 feet in height. Each 60c; 5 for \$2.75; 10 for \$5.00; 100 for \$45.00.

BARTLETT—One of the best varieties. Large size; yellow, juicy, ripening last of July and August.

GARBER—Very desirable for canning and preserving. Ripens in September.

KEIFFER—Fruit large, skin golden yellow with slight blushed cheek. Matures from September to October.

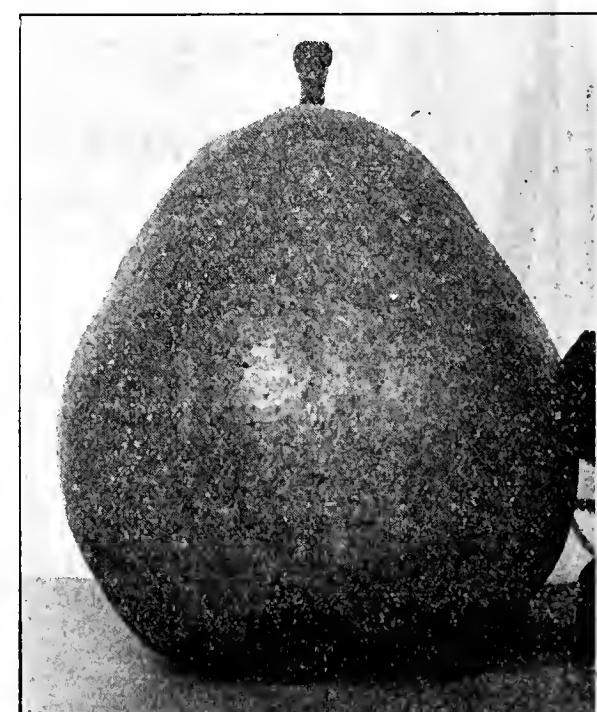
MAGNOLIA—One of the best blight-resisting varieties. Fruit large golden yellow, sure producer and especially adapted to this section; ripens in September.

WILDER'S EARLY—A fine summer variety; fruit large yellow with crimson cheek. Flesh sweet, juicy and soft.

The Baldwin Pear

A wonderful new introduction, absolutely blight-proof and the quality is fully equal to the Bartlett. The Baldwin pear will revolutionize the pear industry in this section. It has been the hope of all horticulturists that a non-blighting pear of good edible quality will be found, and at last it has been accomplished. Don't fail to plant some of this wonderful pear.

Price F. O. B.
Memphis (none re-shipped), each \$1.00;
10, \$8.00.



Baldwin Pear

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

THE MAHAN PECAN

We take great pleasure in offering our customers the opportunity of securing trees of the new Mahan Pecan, a real horticultural sensation that is sweeping the country.

We show a picture of a tree only 19 months after planting bearing over a pound of nuts. So far the nuts have brought wholesale over \$1.00 per pound.

The Mahan nut is a giant in size, supreme in quality, thin shell, attractive to the eye.

The tree is a vigorous grower, unusually large, beautiful foliage, prolific early bearer.

PRICES

All size trees are the same price; first orders being given preference on the larger trees. Size of trees 3 to 4 feet. If you wish small trees, state so.

The Mahan Pecan is sold only under a special non-propagating agreement which must be agreed to by signing the agreement on order blank enclosed with this catalog.

The trees we offer are grown by the Monticello Nursery Co. and will be shipped direct from the nursery.

1 to 23 trees.....Each, \$5.00 24 to 50 trees.....Each, \$4.50
F. O. B. Nursery.

Extra order blanks with Agreement Blanks sent on application.

Asparagus Roots WASHINGTON—Price: Strong roots, doz. 40c; 50, \$1.20; 100, \$2.25; postpaid. Not prepaid, doz. 30c; 50, \$1.00; 100, \$2.00; 1,000, \$15.00.

Horseradish Roots MALINER KREN (Bohemian)—Large, strong cuttings. 40c per dozen; \$2.50 per 100; \$15.00 per 1,000. If wanted by mail, add 10c per 100 for postage.

Rhubarb Roots Two-year roots, each 30c; 6 for \$1.40; 12 for \$2.35; postpaid. Not prepaid, each 25c; 6 for \$1.25; 12 for \$2.00. One-year roots, each 15c; 6 for 75c; 12 for \$1.25; postpaid. Not prepaid, each 10c; 6 for 60c; 12 for \$1.00.

Strawberry Plants Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

AROMA—Large size; dark red and sweet.

EXCELSIOR—Extra early; one of the best drought resisters.

KLONDYKE—A shapely, dark red berry of uniform size.

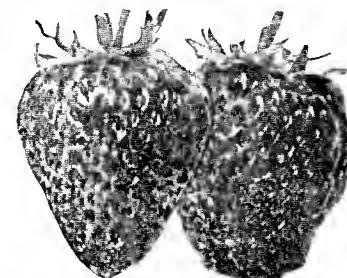
LADY THOMPSON—Widely planted over the whole country.

MICHELL'S EARLY—One of the early varieties. Good size bright red fruit of splendid quality and very productive.

PRICES—Each variety, uniform as follows: 50 plants, 80c; 100, \$1.20; 200, \$2.00; 500, \$3.25; 1,000, \$4.25; postpaid. Not prepaid, 50, 60c; 100, \$1.00; 500, \$2.75; 1,000, \$3.50; 10,000, \$30.00.

Everbearing Strawberry Plants

PROGRESSIVE EVERBEARING—The best of the Everbearing sorts; berry dark red. Price: 25, 70c; 50, \$1.10; 100, \$1.65; 500, \$6.50; postpaid. Not prepaid, 25, 60c; 50, \$1.00; 100, \$1.50; 500, \$6.25; 1,000, \$10.00.



Klondyke

Mastodon Strawberry

The world's greatest everbearing strawberry. In size and quality Mastodon heads the list. Price postpaid: 25 plants, \$1.10; 50, \$1.60; 100, \$2.40. Not prepaid, 25, \$1.00; 50, \$1.50; 100, \$2.25; 500, \$7.50.

SPECIAL VARIETIES BERRIES

YOUNGBERRY—A hybrid of the Loganberry and the Austin Dewberry. Fruit pink, turning to wine color. Raspberry flavor. Each 20c; 10 for \$1.25; by parcel post, each 30c; 10 for \$1.40.



Privet Hedge

HEDGE PLANTS

AMOOR RIVER PRIVET—Almost entirely evergreen. Upright; dark green leaves. 18 to 24-inch. 25 for \$1.25; 100 for \$4.00.

CALIFORNIA PRIVET—Leaves dark green. May be trimmed as desired. 18 to 24-inches. 25 for \$1.25; 100 for \$4.00. Other sizes and varieties quoted on request.

Grafted Pecans First grade, 4-5 feet, each \$1.10; 10 for \$9.50; 2-3 feet, each 75c; 10 for \$6.50.
Can't be mailed..

MONEY MAKER—Very large size, long in shape, heavy producer.

SCHLEY—Finest for eating. Nuts long, thin-shelled, well filled.

STUART—Nuts of good size; shell medium thin.

SUCCESS—Resembles Stuart, but larger. Nuts thin-shelled.

Write for special prices on larger quantities.

Miscellaneous Trees, Etc. All two-year grade.

APRICOT TREES—Two varieties.....	Each \$0.60
NECTARINE TREES—Two varieties.....	Each .60
QUINCES	Each .65
WALNUT TREES—Japan and Black.....	Each 1.00
CURRENTS AND GOOSEBERRY PLANTS.....	Each .35

Blackberry Plants Price either of following varieties: 10 for 75c; 100 for \$4.75; postpaid. Not prepaid, 10 for 60c; 100 for \$4.00.

EARLY HARVEST—Good quality and bears early.

McDONALD BLACKBERRY—A strong, vigorous growing variety. Fruit jet black, very large and of sweet flavor.

Dewberry Plants Prices: 10 for 90c; 100 for \$5.75; postpaid. Not prepaid, 10 for 75c; 100 for \$5.00.

AUSTIN—Fruit large; vigorous grower.

LUCRETIA—Large; fine flavor.

MAMMOTH DEWBERRY—A monster fruit that is soft, deliciously sweet and melting.

Raspberry Plants Price any following varieties: 10 for 90c; 100 for \$5.75; postpaid. Not prepaid, 10 for 70c; 100 for \$5.00.

COLUMBIAN—Fruit red, good size and a sure producer.

ST. REGIS—Red. Good size and well adapted for southern planting.

CUMBERLAND—Black. The best of the black varieties; large.

LATHAM—Extra large, red fruit that is sweet, soft and delicious. One of the finest market varieties. The plant is free of Mosaic disease, grows vigorous and healthy, and is a heavy yielding variety. 10 for \$1.65; 100 for \$8.25; postpaid. Not prepaid, 10 for \$1.50; 100 for \$7.50.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN

ORNAMENTAL SHRUBS

We offer some special nice shrubs, all strong plants that will give quick results.

Althea.....	Ea. 18-24 in. 30c
Butterfly Bush Buddleia.....	Ea. 2-3 ft. 45c
Bush Honey Suckle.....	Ea. 18-24 in. 25c
Calycanthus.....	Ea. 18-24 in. 35c
Crape Myrtle.....	Ea. 18-24 in. 50c
Deutzia Pride of Rochester.....	Ea. 18-24 in. 30c
Double Flowering Crab.....	Ea. 1-2 ft. 75c
Flowering Crab Bechtels.....	Ea. 1-2 ft. 75c
Flowering Quince.....	Ea. 2-3 ft. 45c
Golden Bell Forsythia.....	Ea. 18-24 in. 25c
Lilac, Purple.....	Ea. 18-24 in. 30c
Hydrangea.....	Ea. 18-24 in. 45c
Mock Orange.....	Ea. 18-24 in. 25c
Purple Leaf Plum Pissardi.....	Ea. 2-3 ft. 50c
Purple Leaf Plum Triloba.....	Ea. 18-24 in. 40c
Snowberry.....	Ea. 18-24 in. 25c
Snowball.....	Ea. 12-18 in. 60c
Spirea, Bridal Wreath.....	Ea. 18-24 in. 20c
Spirea, Anthony Waterer.....	Ea. 12-18 in. 35c
Spirea, Pink Meadow.....	Ea. 18-24 in. 25c
Spirea, Van Houttei.....	Ea. 18-24 in. 25c
Weigelia, Eva Rathka, Red.....	Ea. 12-18 in. 40c
Weigelia, Pink.....	Ea. 18-24 in. 35c

Larger plants furnished at a slightly higher price.

R.-H. Co. Evergreen

CONIFEROUS EVERGREENS

All balled and baled. Extra nice plants.

Arbor Vitae, Chinese.....	2 ft. \$1.25; 3 ft. \$1.75 each
Arbor Vitae, Globe.....	18-24 in. \$2.00; 3 ft. \$2.50 each
Arbor Vitae, Rosedale.....	18-24 in. \$1.50; 2½ ft. \$2.00 each
Arbor Vitae, Berckman's Golden.....	18-24 in. \$1.50; 2½ ft. \$2.00 each
Arbor Vitae, Mayhew Golden.....	2-3 ft. \$2.00; 3 ft. \$2.50 each
Baker's Compact Arbor Vitae.....	18-24 in. \$1.25; 3 ft. \$1.75 each
Bonita Arbor Vitae.....	2-3 ft. \$1.50; 4 ft. \$2.00 each
Irish Juniper.....	18-24 in. \$1.25; 2½ ft. \$2.00 each
Pine, Arkansas.....	18-24 in. \$1.50; 3 ft. \$2.50 each
Pfitzer Juniper.....	18-24 in. \$1.75; 24-30 in. \$2.25 each

BROAD LEAF EVERGREENS

All specimen plants, balled and baled.

Abelia Grandiflora.....	24-30 in. \$1.50; 4 ft. \$2.00 each
Cherry Laurel.....	18-24 in. \$1.25; 30 in. \$1.75 each
Wax Leaf Ligustrum.....	24-36 in. \$1.25; 4 ft. \$1.75 each
Lucidum Jap Privet.....	24-36 in. \$1.25; 4 ft. \$1.75 each
Red Leaf Barberry.....	18-24 in. \$1.50; 24-30 in. \$2.00 each

CLIMBING ROSES

Strong two-year, field grown plants.

Clb. American Beauty.....	Rosy pink.....	Each 50c; 12 for \$4.00
Clb. Bridesmaid.....	Bright pink.....	Each 50c; 12 for 4.00
Clb. Columbia.....	Bright pink.....	Each 60c; 12 for 5.00
Clb. Etoile de France.....	Rich crimson.....	Each 50c; 12 for 4.00
Clb. F. K. Druski.....	Large snow white.....	Each 60c; 12 for 5.00
Clb. K. A. Victoria.....	Purest white.....	Each 50c; 12 for 4.00

SPECIAL NOTICE

All roses, plants, shrubs and trees—in fact, everything in the nursery department—will be shipped separately from seeds or other merchandise. All nursery stock is shipped direct from our growers very promptly. Please bear this in mind in case your order includes nursery items. We recommend express shipment for all plants, shrubs and trees.

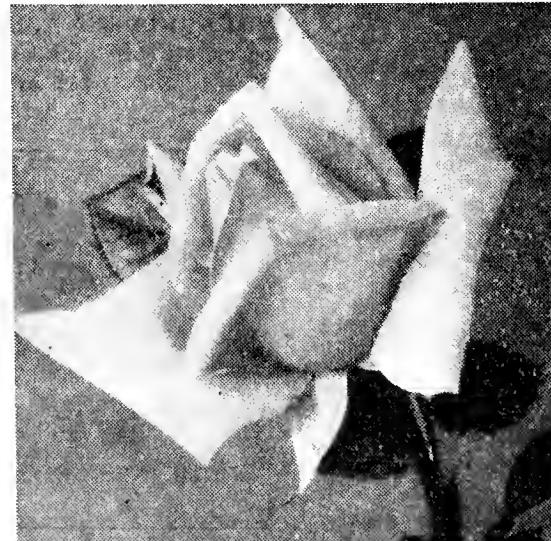
TOP NOTCH BARGAIN ROSE COLLECTION

Six Roses, only \$2.25; by mail \$2.75.

All two-year field grown bushes.

- 1—Briarcliff..... Deep pink.
- 1—Lady Hillingdon..... Fine yellow.
- 1—Red Radiance..... Crimson.
- 1—Helen Gould..... Watermelon red.
- 1—Duchess of Luxembourg..... Orange.
- 1—Kaiserin Aug. Victoria..... White.

No changes allowed in varieties.



Los Angeles Rose

SPECIAL NOTICE

All roses, plants, shrubs and trees—in fact, everything in the nursery department—will be shipped separately from seeds or other merchandise. All nursery stock is shipped direct from our growers very promptly. Please bear this in mind in case your order includes nursery items. We recommend express shipment for all plants, shrubs and trees.

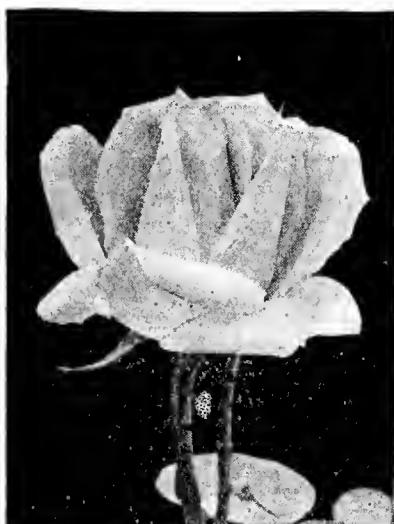
TOP NOTCH NOVELTY ROSE COLLECTION

Six new Roses, only \$3.00; by mail \$3.50.

All two-year field grown plants.

- 1—Dame Edith Helen..... Pink fragrant.
- 1—Betty Uprichard..... Copper and carmine.
- 1—Etoile de Holland..... Crimson red.
- 1—Pres. Herbert Hoover..... Cerise and orange.
- 1—Rev. F. Page Roberts..... Go'den yellow.
- 1—Talisman..... Orange and scarlet.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



Pink Killarney



Red Radiance



Madam Butterfly



Talisman

EVERBLOOMING BUSH ROSES

All two-year field grown hardy plants

Set out Roses very early in the spring before the sap rises. They will be sure to grow and will bloom the first season. Remember these are all heavy outdoor-grown plants, two years old and they will please you.

All Roses will be pruned ready for planting.

Price, any variety: Each 50c; 3 for \$1.25; 6 for \$2.25; 12 for \$4.00. By mail, each 75c; 3 for \$1.50; 6 for \$2.75; 12 for \$4.75; postpaid.

PINK ROSES

AMERICAN BEAUTY.....	Rose pink shade, hybrid perpetual
BRIDESMAID.....	Fine tea rose, very fine pink, large
BRIARCLIFF.....	Glowing deep pink, a beautiful variety
COLUMBIA.....	Clear pink, deepening to a glowing pink
JONK. J. L. MOCK.....	Very fragrant, large clear double pink
LADY ASHTOWN.....	Carmine pink, beautiful in bud and flower
F. W. DUNLOP.....	Very large, deep rosy pink, showy flower
LA FRANCE.....	Long buds, fragrant, silvery pink, bright
MRS. CHAS. BELL.....	Shell pink with salmon shading, large
PAUL NEYRON.....	The classy hybrid perpetual pink rose
RADIANCE.....	Greatest rose of the times, rosy pink
WILLOWMERE.....	Richest pink with yellowish shading
PREMIER.....	Rich, dark pink when in full bloom
KILLARNEY.....	Long bud, flesh pink, very beautiful



Premier



Pink Radiance

RED ROSES

ETOILE DE FRANCE..	Velvety crimson, beautiful color, very fragrant
FRANCIS SCOTT KEY.....	Brilliant scarlet crimson, vigorous plant
CHARLES K. DOUGLAS.....	Rich red, a large, bold, showy flower
GENERAL JACQUEMINOT.....	Hybrid perpetual, bright crimson
GRUS AN TEPLITZ.....	Fiery crimson, shaded very dark velvet
HELEN GOULD.....	A beautiful rose, rich watermelon red
GENERAL McARTHUR.....	Crimson scarlet, profuse monthly bloomer
RED RADIANCE.....	Deep red, fragrant, blooms all the time

YELLOW ROSES

ALEXANDER HILL GRAY...	Deep lemon yellow, beautiful bud, flower
DUCHESS OF LUXEMBOURG.	Shaded orange yellow with salmon pink
GOLDEN OPHELIA.....	Salmon flesh tinted with gold, beautiful
LADY HILLINGDON.....	Golden yellow with long, graceful bud
LOS ANGELES.....	Rich, flaming pink, shaded with golden yellow
MADAM BUTTERFLY....	Yellow, shaded Indian red, a beautiful rose
OPHELIA.....	Salmon shaded rose, a fine shaped bud
SUNBURST.....	Orange copper, shading to a very deep golden color



Los Angeles

WHITE ROSES

FRAU KARL DRUSCHKI...	Largest white hybrid perpetual rose, fine
KAI SERIN AUG. VICTORIA.	Finest white monthly rose, purest white
WHITE MAMAN COCHET..	Immense white monthly tea rose, fragrant
WHITE OPHELIA.....	Center tinted pink, effective showy color



Souv. de Claudio Pernet

SPECIAL ROSES

Strong two-year-old field grown bushes.	
Each 75c; 3 for \$1.75; 6 for \$3.00; 12 for \$5.00.	By mail, each 85c; 3 for \$2.00; 6 for \$3.50; postpaid.
BETTY UPRICHARD—Blend of deep-toned carmine with coppery edge	
DAME EDITH HELEN—Magnificent vivid pink, a fragrant, full-bodied	
rose.	
E TOILE DE HOLLAND—A novelty rose of fine character and appeal.	
The flowers are large, brilliant, crimson red, very showy.	
GOLDEN EMBLEM—A vigorous, strong monthly rose, deep golden	
yellow, beautiful in bud and flower.	
MARGARET McGREDY—Hybrid tea rose of the bi-color type. A	
beautiful orange shaded scarlet.	
MRS. CALVIN COOLIDGE—Golden yellow monthly tea rose; beautiful	
in bud and bloom.	
PRESIDENT HERBERT HOOVER—A glorious new rose, unfolding its	
broad, thick petals from a beautiful bud. Vivid cerise pink, softly	
flamed with yellow, orange and scarlet.	
REV. F. PAGE ROBERTS—A fine, big, colorful rose, a full, shapely	
flower, golden yellow stained outside with red.	
SOUV. DE CLAUDIO PERNET—Flower large and full, unfading	
sunflower yellow, deeper toned at the center.	
MRS. HENRY MORSE—The two-tone combination is superb in this	
monthly rose. Soft, clear pink on upper side of petals, bright car-	
mine on under side.	
TALISMAN—A gorgeous assembly of colors never before presented in	
any one rose. Here are the strong colors exhibited: gold, apricot,	
yellow, blood orange, deep pink, and old rose. A beautiful flower	
in bud and bloom.	

TREES—PLANTS—SHRUBS

These will be shipped separately from your order for seeds. All of our nursery stock is shipped direct to you from our growers very promptly, but such items will come separate from seeds ordered. Please bear this in mind in case your order includes trees, plants or shrubs.

DU BAY SEED DISINFECTANTS INCREASE your FARM PROFITS and GARDENING PLEASURES

By Preventing Seed-Borne Disease Losses

Regardless of the care taken in preparation of the seed bed and the selection of seed, field crop and garden failures may result from attacks of seed-borne diseases. One or more of some two hundred disease organisms are commonly carried by farm and truck crop seeds. The losses they cause may be easily avoided by disinfection of the seed before planting with the proper Du Bay Seed Disinfectants. Treatment with Du Bay Disinfectants is inexpensive, easily and quickly made, and harmless to seed. All your seed should be treated.



Ceresan increased the yield of cotton at the rate of 190 pounds per acre on this South Carolina farm

CERESAN—For Cotton Seed

Ceresan generally increases the yield of cotton by preventing seed from rotting in cold, wet soil, thus permitting earlier planting; reducing damping-off or sore-shin; controlling surface seed-borne anthracnose, angular leaf-spot, and certain boll-rots and producing better stands of vigorous plants. Treatment has returned from \$3.10 to \$21.56 more per acre. Only 3 ounces needed per bushel of seed.

SEMESAN BEL—For Seed Potatoes

Prevent seed-borne disease losses by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. No time-consuming soaking necessary. Semesan Bel is effective in controlling such destructive seed-borne diseases as scab, rhizoctonia, and black leg. Protects the seed piece against rotting by soil-borne organisms. Improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed.

SEMESAN For Flower and Vegetable Seeds

Diseases carried on the seed often reduce germination and cause a poor stand, lowered quality, and unsatisfactory yields. Destroy these disease organisms without injuring the seed by treating your



SEED DISINFECTANTS



seeds, bulbs, roots, corms, and tubers with Semesan. Easily and quickly applied as a dust or liquid. Effective in controlling damping-off of seedlings and cuttings. Use Semesan to control seed-borne diseases and improve your vegetables and flowers.

Send for Free Descriptive Booklets

SEMESAN BEL

4 oz. tin.....	\$.50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

SEMESAN

2 oz. tin.....	\$.50
1 lb. tin.....	2.75
5 lb. tin.....	13.00

CERESAN

1 lb. tin.....	\$.75
5 lb. tin.....	3.00
25 lb. pail.....	12.50

SEMESAN, JR.

4 oz. tin.....	\$.50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

Du Bay Seed Disinfectants are poisonous and, under present postal regulations, must be sent by express or freight.



In this field test Semesan, Jr., increased the yield of corn 21.7 bushels per acre



Note the great improvement in stand and vigor of growth of the Semesan Bel treated potatoes at left



1. Semesan treated gladiolus. 2. Untreated gladiolus. 3. Formaldehyde treated gladiolus.

SPRAY CALENDAR

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gallon of Water	50 Gals. of Water	
PEACH PLUM CHERRY	Scale, Insects and Leaf Curl	Lime-Sulphur Solution Oil Emulsion or Dry Lime Sulphur Sunoco Oil	1 pint $\frac{1}{4}$ pint 18 to 20 teaspoonfuls $\frac{1}{4}$ pint	5 to 7 gallons 2 gallons 12 to 15 pounds $2\frac{1}{2}$ gallons	In the fall or in the spring before the buds swell. Add Bordeaux to Oil Emulsion to prevent leaf curl.
	Curculio	Arsenate of Lead	2 teaspoonfuls	$\frac{3}{4}$ to 1 pound	Combine with summer peach spray when Curculio is present.
	Scab and Brown Rot, and to prevent Rot developing after fruit is picked.	Peach Mix., a special mixture replacing self-boiled Lime Sulphur Or use Dritomic Sulphur or Sulfocide	12 to 20 teaspoonfuls 1 tablespoonful	8 to 10 pounds 1 quart	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking, if necessary. 4. Week to ten days before picking. Very important.
	Borers	Paradichlorbenzene for Peaches only	1 to 2 ounces in a circle evenly distributed 2 inches away from trunk of tree		1. In the spring. 2. In the fall.
PEAR QUINCE	Scale Insects and Blister Mites	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint $\frac{1}{4}$ pint 18 to 20 teaspoonfuls	5 to 7 gallons $1\frac{1}{2}$ gallons 12 to 15 pounds	Dormant or delayed dormant. When the buds begin to swell. Sunoco is also fine for dormant spray; dilute 1 gallon to 20 gallons water.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime Sulphur or Lime Sulphur Solution Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 5 to 6 teaspoonfuls $1\frac{1}{2}$ pint 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 3 to 4 pounds $1\frac{1}{4}$ to $1\frac{1}{2}$ gallons 1 to $1\frac{1}{2}$ pounds $\frac{1}{2}$ pint	1. Cluster or pink stage. 2. Calyx or petals fall. 3. Two weeks after petals fall.
APPLE	Scale Insects, San Jose, Oyster Shell and Blister Mite, Red Mite	Lime Sulphur Solution Oil Emulsion Dry Lime Sulphur or Sunoco Oil	1 pint $\frac{1}{4}$ pint 18 to 20 teaspoonfuls $\frac{1}{4}$ pint	5 to 7 gallons 2 gallons 12 to 15 pounds $2\frac{1}{2}$ gallons	While the trees are dormant, either in spring or fall. Delayed dormant spray applied in spring when buds are showing silvery.
	Codling Moth, Curculio, Bud-Moth, Scab, Frog-Eye and Blotch	Lime Sulphur Solution or Dry Lime Sulphur and Arsenate of Lead	1/5 of a pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	$1\frac{1}{4}$ to $1\frac{1}{2}$ gallons 3 to 4 pounds 1 to $1\frac{1}{2}$ pounds	1. When buds show pink. (Important scab spray.) 2. When petals fall. (Calyx spray.) 3. Ten days to two weeks later. (Blotch.) 4. Four weeks after petals fall. (Blotch.)
	Later Codling Moth Broods Blotch	Arsenate of Lead Bordeaux Or Dritomic Sulphur	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1 to $1\frac{1}{2}$ pounds 8 pounds	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide where bitter rot is present.
	Aphids (Plant Lice)	Sulphate of Nicotine, 40% Evergreen Spray	1 teaspoonful 1 teaspoonful	$\frac{1}{2}$ pint $\frac{1}{2}$ pint	Combine with other sprays and apply when Aphids appear. Usually in delayed dormant sprays.
GRAPE	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When shoots are 8 to 10 inches long, just before blooming.
	Berry Moth	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	1. After the blossoms fall. 2. Ten days to two weeks later. 3. Just as berries begin to touch in the clusters.
	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	
	Leaf Hopper	Sulphate of Nicotine Blackleaf 40	1 teaspoonful	$\frac{1}{2}$ pint	Apply when first nymphs of the Hopper acquire wings.

CULTIVATE FRUIT TREES, GRAPE VINES, ETC.—KEEP THE HARROW IN THEM

GENERAL SPRAY INFORMATION

Russell-Heckle's Lubricating Oil Emulsion

For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin No. 933: Use 1 gallon to 25 gallons of water. To control peach tree leaf curl, use 4 pounds Bordeaux Mixture and 1 gallon of Oil Emulsion to 25 gallons of water. Price: Qt. 35c; $\frac{1}{2}$ gal. 50c; 1-gal. can 65c; 5-gal. can \$2.50; 10-gal. can \$4.50, f. o. b. Memphis.

Russell-Heckle's Peach Mix A summer spray on Peaches and Plums, for use in place of self or home-boiled Lime Sulphur, for the control of brown rot, scab and leaf spot. Use 1 pound to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. Spray every two weeks with Peach Mix and add a little Black Leaf 40 and Arsenate of Lead. This is to control brown rot, scab, leaf curl, curculio and Oriental Peach Moth. Price: Peach Mix, 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50; by parcel post, 1 lb. 35c; 5 lbs. \$1.15; 10 lbs. \$1.75.

Russell-Heckle's Lime Sulphur Solution

One of the best fungicides for fruit trees, shrubs, etc., for the dormant or growing period. To control scale and peach tree leaf curl. Full directions on cans. Gal. 65c; 5-gal. can \$2.50; 10-gal. can \$4.50.

Russell-Heckle's Dry or Powdered Lime Sulphur

A convenient material to control San Jose scale and other fungus troubles, such as peach tree leaf curl and blister mites. Dilute 1 pound Dry Lime Sulphur to 4 gallons of water. 1-lb. can 35c; 5-lb. can \$1.25; 12½-lb. package \$1.75.

Dritomic Sulphur

One of the best preparations for the growing period or summer spray on peaches, apples, etc. Dritomic Sulphur will control scab and brown rot on peaches and plums, and blotch scab, etc., on the apple. Use 4 pounds to 80 gallons of water.

Russell-Heckle's Bordeaux Mixture

One of the most generally used and satisfactory preparations for controlling plant diseases of most kinds. It is especially good to correct blight on Phlox, Roses, Snap Dragons, Tomato Plants, Apple Trees, etc. See page 58 for prices.

How to Spray Roses

First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphids and lice, which most always destroy the spring blossoms, use Black Leaf 40, Volck Red Arrow, Shep's Spray, or Ever Green. For chewing insects use Arsenate of Lead, Slug Shot, Niagara Dust. For blight and mildew use Bordeaux Mixture, Sulphur, or Hammond's Grape Dust. Pomo Dust, Fungrogen, and Semesan will cure Black Spot or die back on roses.

INSECTICIDES AND SPRAY MATERIALS

Our service in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up-to-date and have in stock the very newest and best materials for spraying at all times.

Poisonous insecticides and liquids are not mailable. Prices are F. O. B. Memphis, and subject to fluctuations, buyer paying carriage charges, excepting where priced parcel post paid.

Antrol

Kills Ants in the Nest

Destroys ants the right way; gets them at their source; safe, permanent, effective. Quickly destroys sweet eating ants. The ants smell the syrup and eat it, then transmit its mild poison to the queen, thus destroying the whole colony.

Prices: Antrol Sets

4 containers, 1 4-oz. bottle syrup.....	\$.95
Antrol, extra containers.....	.10
Antrol Syrup, 4-oz. bottle.....	.45
Antrol Syrup, pint bottle.....	.90

**Bug Death**

Very safe, being non-poisonous; effective on all garden insects. Price by freight: 1 lb. 25c; 5 lbs. \$1.00; 12½ lbs. \$2.00. Parcel post: 1 lb. 30c; 5 lbs. \$1.20; 12½ lbs. \$2.40.

**Aphistrogen**

KILLS APHIS (PLANT LICE)

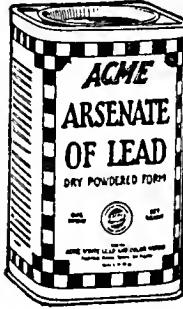
REG. U. S. PAT. OFF.

Destroys aphids in two or three applications. For all plants subject to aphids or plant lice. All these sprays carry the noted Rosenbluth leaf fertilizer—Hortogen. Complete with spreader, ready for use. Simply mix with water.

Prices: 2 ounces 40c; 4 ounces 75c; ½ lb. \$1.25. By parcel post, 2 ounces 45c; 4 ounces 80c; ½ lb. \$1.10.

Arsenate of Lead

Kills every insect that eats it; superior in every way to Paris Green as it does not burn or scald the foliage: can be used dry as a powder or as a solution in water. ½ lb. carton 20c; 1 lb. bag 25c; 1 lb. carton 35c; 4 lb. bag 80c. Not mailable.

**Bi-Sulphide of Carbon**

For keeping weevils and other insects out of grain and cow peas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb. 60c; 5 lbs. \$2.00; not mailable.

Black Leaf 40 Kills Aphids
40% NICOTINE

A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insects. Kills poultry mites. Oz. bottles 35c; 5 oz. bottle \$1.00; 1 lb. pkg. \$2.50; 2 lb. pkg. \$3.75; 5 lb. tin \$7.00; 10 lb. tin \$11.85; not mailable.

Blue Stone

BLUE STONE—Copper Sulphate Crystals for making home-made Bordeaux Mixture. 4 lbs. to 50 gallons of water. 10 lbs. \$1.20.

**BORDEAUX MIXTURE—DRY**

The new form of Bordeaux will keep indefinitely; cures and controls blight. 1 lb. 30c; 4 lbs. 80c; not mailable.

BORDEAUX AND ARSENATE

Controls at one spraying all fungus troubles and insects. Dry form, ½ lb. 30c; 1 lb. 50c; 4 lbs. \$1.40; not mailable. Paste, 1 lb. 45c; not mailable.

Copper Sulphate Solution

A first-class useful fungicide, and very handy. For mildew, blight and rust on fruit, flowers and vegetables. Especially recommended for blight on pear trees, black spot on roses, etc. To be diluted 75 times with water and sprayed. Used with general benefit. 1 qt. \$1.00; 1 gal. \$3.00; not mailable.

Corrosive Sublimate

Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 to 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. ¼ lb. 75c; ½ lb. \$1.25; 1 lb. \$2.40; 5 lbs. \$9.50; not mailable.

Cyanogas—A Dust

A simple way to get rid of pests. Use Cyanogas. Kills ants, rats, mice, moles, fleas, bed bugs, clothes moths, wax moths, pigeons, sparrows, chinch bugs on lawns, grape leaf hoppers, mealy bugs, melon aphids, etc. Cyanogas A Dust, 1 lb. 75c. Cyanogas is poison and cannot be mailed.

**Dritomic Sulphur**

It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. The use of Dritomic Sulphur will prevent all diseases of apples; also insects and brown rot, and scab on peaches. 4-lb. pkg. 70c; by parcel post, 4-lb. pkg. 90c.

Ever Green

Kills them all; safe to use on tender plants and blossoms, cannot burn, non-poisonous.

Ever Green, which is non-poisonous, will eliminate all dangers for you and at the same time control insects such as aphids, cutworms, squash bugs, potato bugs, caterpillars, beetles, etc., quickly, safely and economically. 1-oz. bottles 35c; by mail 45c; 6-oz. bottles \$1.00; by mail \$1.15; 16 oz. bottles \$2.00; by mail \$2.20.

**Fish Oil Soap with Potash**

Prevents and cures aphids, lice and other troubles on plants and trees.

Mixed with other spray materials makes them more effective. Acts as a spreader. Controls scale. 1 lb. 35c; 5 lbs. \$1.25; by parcel post, 1 lb. 45c; 5 lbs. \$1.45.

Fluosilicate Dusting Powder

Controls cutworms, ants, roaches, chicken lice, moths, cucumber and potato beetles, and flea beetles, controls worms on cantaloupes. Fluosilicate is less dangerous than arsenicals and more effective, as it is a contact as well as a stomach poison. Use lightly to prevent burning. Sold in bulk only. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.80; 100 lbs. \$14.00. Not mailable.

Formalin

Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. 1 lb. bottle 50c; not mailable.

Fungtrogen

A highly concentrated fungicide that conquers mildew, controls black spot on roses and is an effective plant stimulant as well. 4 oz. 40c; parcel post 50c. ½ pint 75c; by parcel post 85c. Pint \$1.25; by parcel post \$1.35. Quart \$2.00; by parcel post \$2.15. Gallon \$5.50; not mailable.

Grape Dust

Prevents and cures blight, also mildew, on all plants; very effective on roses; not poisonous. By freight, 1 lb. 35c; 5 lbs. 75c. By parcel post, 1 lb. 45c; 5 lbs. \$1.00.

Grafting Wax

Used for grafting scions on trees. ¼ lb. 25c; ½ lb. 40c; 1 lb. 60c; by parcel post, ¼ lb. 30c; ½ lb. 50c; 1 lb. 70c.

**Insectrogen**

KILLS MOST LEAF-EATING INSECTS

REG. U. S. PAT. OFF.

For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc.—and blights. A powerful insecticide. Used alternately with Fungtrogen. Both carry their own spreader. 4 oz. bottle 60c; by mail 70c; ½ pt. \$1.00; by mail \$1.10.

RUSSELL-HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

Kayso

Prepared casein is a spreader and adhesive for use in connection with Lime Sulphur, Bordeaux and Arsenate of Lead. It makes the poison stick and resistant to washing effect of rains; also saves material. Two-pound package is sufficient for 50 gallons of spray. 2 lbs. 50c; 10 lbs. \$2.00. By parcel post, 2 lbs. 70c; 10 lb. bag \$2.50.

Lime—Hydrated

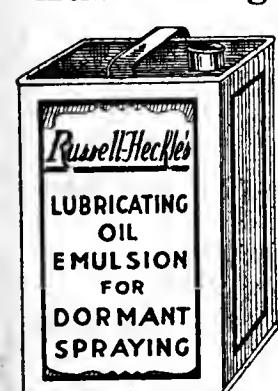
When using Arsenate of Lead, Dritomic Sulphur, etc., always add Hydrated Lime. This prevents burning of the leaves. Directions for adding lime to any insecticides are always given on the packages. Price: 10 lb. bag 30c; 40 lb. bag 75c. By parcel post, 10 lb. bag 50c.

Lime Sulphur—Dry or Powdered

For dormant spraying against San Jose scale, peach blight and peach-leaf curl; for summer spraying against such fungus diseases as apple scab, pear scab and against red spider. 1 lb. pkg. 35c; 5 lb. pkg. \$1.25; 12½ lb. pkg. \$1.75. By parcel post, 1 lb. 40c; 5 lbs. \$1.45; 12½ lbs. \$2.00.

Lime Sulphur Solution

A concentrated liquid form easily mixed. Simply add 9 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. Qt. 35c; ½ gal. 50c; gal. 65c; 5 gal. \$2.50; 10 gal. \$4.50. Not mailable.

Lubricating Oil Emulsion

For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers' Bulletin No. 933—use 2 gallons to 48 gallons of water. Qt. 35c; ½ gal. 50c; 1 gal. can 65c; 5 gal. \$2.50; 10 gal. \$4.50. f. o. b. Memphis.

Melrosine

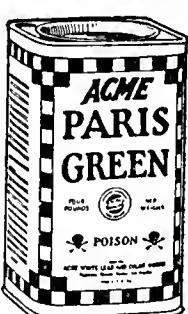
Kills and prevents rose bugs, blister beetles, candle bugs; is effective and pleasant to use. It is one of the best non-poisonous insecticides. 6 oz. can 40c; by parcel post 50c.

Nicotine Pyrox

A combination of Pyrox and Sulphate of Nicotine. Kills both sucking and chewing insects, besides controls fungus diseases. 10 oz. bottle 50c; not mailable.

Pine Tar

A very useful preparation and should be kept on the premises at all times. For bruises on trees, Pine Tar is very effective. 1 lb. can 25c; not mailable.

**Paris Green**

Known for its effectiveness. It must be used with care; 1 teaspoonful to 1 gallon of water will be safe. Add 2 tablespoonsfuls of lime to prevent burning. ¼ lb. 20c; 1 lb. 50c; 4 lbs. \$1.60; 14 lbs. \$4.75; not mailable.



Peach tree borer control. Discovered at last, a sure cure for peach tree borer. Time of application, October 1st to November 30th. Para-dichlorbenzene must not be used on any trees under 4 years old, as it is very powerful and will harm young trees.

Prices: ½ lb. box 35c; 1 lb. box 50c; 5 lbs. \$2.00; 10 lbs. \$3.50. By parcel post, ½ lb. 45c; 1 lb. 60c; 5 lbs. \$2.20; 10 lbs. \$3.80.

Peach Mix

A summer spray on peaches and plums, for use in place of self or home-boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 pound to 5 gallons of water, first application, when the husks fall and add two tablespoonsfuls of Arsenate of Lead to each 5 gallons of spray mixture. This is to control brown rot, scab, leaf curl, and curculio. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50; 50 lbs. \$5.00. By parcel post, 1 lb. 35c; 5 lbs. \$1.15; 10 lbs. \$1.75.

**Dust with Pomo-Green**

For black spot on roses. Pomo Green is the leaf green dust that protects your roses and other plants without making treatment conspicuous.

Mildew, black spot, or chewing insects on roses are either controlled or prevented by its use.

Pomo Green is a specific control of many fungus diseases on Snap Dragon, Phlox, Sweet Peas, etc.

Protect the new growth on roses, etc., by dusting with Pomo Green once a week throughout the growing season.

1 lb. can 50c; 5 lb. carton \$2.00; not mailable.

Pomo-Green with Nicotine

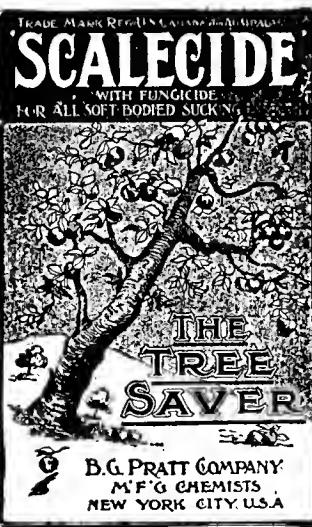
1 lb. can 75c. Not mailable.

Pyrox

For leaf-eating insects and plant diseases, Pyrox is a combined insecticide and fungicide that kills bugs, prevents blights and rots, and improves the foliage. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes or tomatoes. Not prepaid, 1 lb. 50c; 5 lb. pkg. \$1.75; 10 lb. pkg. \$3.00.

Red Star Insecticide

Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain and is fully guaranteed. 1 qt. can 75c; ½ gal. can \$1.25; 1 gal. can \$2.00; not mailable.

Scalecide, Pratt's

Especially recommended for spraying trees in the dormant state. For San Jose Scale it is even more effective and spreads better than lime sulphur. For the dormant spray, use one part scalecide to 15 parts of water. Not prepaid, qt. 70c; gallon \$1.60; 5 gallons \$6.00; 10 gallons \$10.00; 15 gallons \$13.50; not mailable.

TREAT BEFORE PLANTING WITH SEMESAN FOR DISEASE PROTECTION

SEMESAN is recommended by the American Rose Society for the treatment of brown canker and other diseases of rose bushes, such as mildew and black spot. It is recognized by growers everywhere as the most effective treatment for the control of damping-off diseases.

Prices: Semesan for Roses and also all small seeds—2 ozs. 50c; 1 lb. \$2.75.

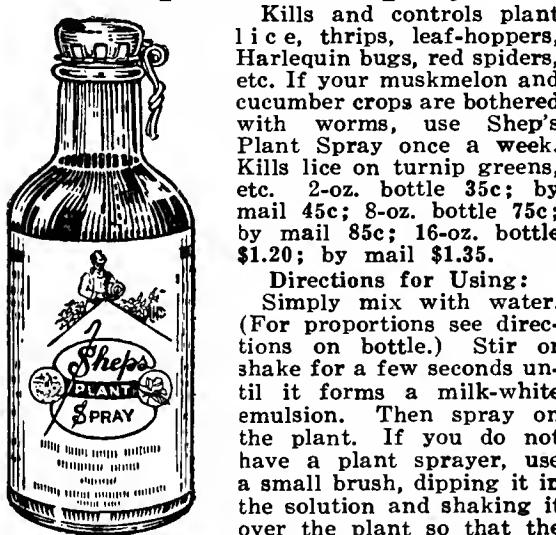
Semesan Junior, for Corn: 4 ozs. 50c; 1 lb. \$1.75; 5 lbs. \$8.00.

Semesan Bel, for Potatoes and Bulbs: 4 ozs. 50c; 1 lb. \$1.75; 5 lbs. \$8.00. Not mailable.

See page 17 for further information.

Shep's Plant Spray

Kills and controls plant lice, thrips, leaf-hoppers, Harlequin bugs, red spiders, etc. If your muskmelon and cucumber crops are bothered with worms, use Shep's Plant Spray once a week. Kills lice on turnip greens, etc. 2-oz. bottle 35c; by mail 45c; 8-oz. bottle 75c; by mail 85c; 16-oz. bottle \$1.20; by mail \$1.35.



Directions for Using:

Simply mix with water. (For proportions see directions on bottle.) Stir or shake for a few seconds until it forms a milk-white emulsion. Then spray on the plant. If you do not have a plant sprayer, use a small brush, dipping it in the solution and shaking it over the plant so that the spray reaches all parts.

**Snarol**

Quickly Kills Garden Pests.

Science provides a new method that does the work safely and quickly; kills cutworms, snails, sow bugs, grasshoppers, slugs, etc. 1 lb. carton 40c; 3 lb. carton 85c; not mailable.

SULFOCIDE

(PRATT'S)—A sure preparation for the second spraying on peach trees. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt. 70c; qt. \$1.00; gal. \$2.75; 5 gal. can \$8.75; not mailable.

Champion Tree Killer



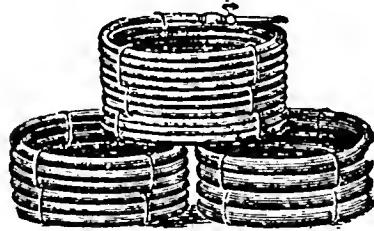
For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening. Will kill Johnson grass, sprouts, g rubbs, etc. Guaranteed to do the job. Gal. \$1.25, f.o.b. Memphis.

Tobacco Dust

Especially desirable for use against lice and sucking insects. By freight, lb. 15c; 10 lbs. \$1.00. By parcel post, lb. 25c; 10 lbs. \$1.30.

SPRAY AND LAWN ACCESSORIES

Spray Hose

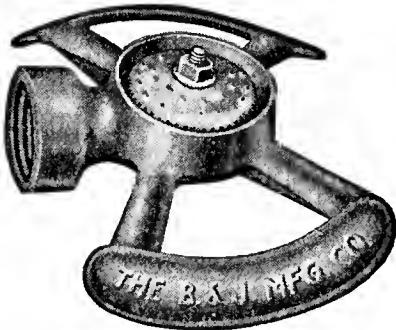


Our spray hose is made especially for spraying purposes.

$\frac{5}{8}$ inch spray hose, foot 15c; postpaid 20c; 15 feet for \$1.80; by mail \$2.00.

$\frac{1}{2}$ inch spray hose, foot 20c; postpaid 30c; 15 feet for \$2.25; by mail \$2.50.

Lawn Sprinklers



No. 100—B. & J. Lawn Sprinkler—Throws water in a complete circle or half circle. Price, 50c; by parcel post, 60c.

No. 65A—Brass Baby Ring Lawn Sprinkler—Each 40c; by parcel post, 45c.

Hot House Sprinklers

$\frac{2}{3}$ inch face.....50c
 $\frac{4}{5}$ inch face.....85c
 By mail, 10c each extra.

All standard $\frac{3}{4}$ inch connection for attaching to hose.

Spray Accessories

Leather Washers, Barrel Pumps.....25c
 Leather Washers, Bucket Pumps.....20c
 Leather Washers, Hand Sprayers.....10c
 Leather Washers for Comp. Air Sprayers. 10c
 Rubber Gaskets for Comp. Air Sprayers.. 10c
 Check Valves for Comp. Air Sprayers.... 10c
 Whirl Discs, Brass Screens and Steel
 Spray Caps for Spray Nozzles..... 10c
 Hose Clamps, $\frac{3}{8}$ and $\frac{1}{2}$ inch..... 05c
 Other repairs quoted on request.
 Be sure to give name or manufacturer of pump when you order repairs.

Atlacide Weed Killer

A non-poisonous dry powder, kills weeds and wild grasses effectively. Price—1-lb. sifter top can 50c; $3\frac{1}{2}$ -lb. can \$1.50. By parcel post, 1 lb. 60c; $3\frac{1}{2}$ lbs. \$1.65.

Slug Shot

Destroys all garden insects. Does not burn. Especially effective against cutworms and is not poisonous. Price—By freight, 1 lb. 25c; 5 lbs. 75c. By parcel post, 1 lb. 30c; 5 lbs. 90c; 25 lbs. \$3.50.

Tree Tanglefoot

Use as a band on all kinds of trees; will prevent any kind of crawling insects on them. 1 lb. 60c; 5 lbs. \$2.75; 10 lbs. \$5.00. By parcel post, 1 lb. 70c; 5 lbs. \$2.90.



Volck

A powerful insecticide used as a spray to overcome red spider, aphis, white flies, mealy bugs, etc. Volck is easy and pleasant to handle; does not burn and has no odor. Ask for circulars. $\frac{1}{2}$ pt. 35c; pt. 60c; qt. \$1.00; gal. \$3.00. By parcel post, $\frac{1}{2}$ pt. 45c; pt. 70c; qt. \$1.15.

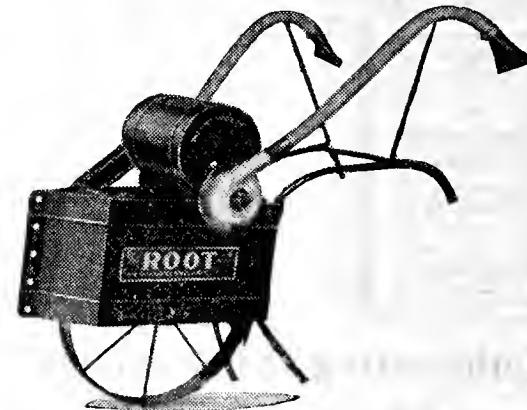
Sulphur—Powdered

Will prevent and cure mildew; should be used on all roses in the spring; apply dry. Also used for making self-boiled Lime Sulphur as well as dusting various field crops, such as strawberries, and cotton, and for the control of red spider, rust mite, etc. By freight, lb. 10c; 5 lbs. 40c; 10 lbs. 75c; by parcel post, lb. 20c; 5 lbs. 60c; 10 lbs. \$1.10.

Extension Rods

2-ft. Brass Extension Rod 60c; by mail 70c.
 4-ft. Brass Extension Rod \$1.00; by mail \$1.15.
 4-ft. Iron Extension Rod 75c; by mail 95c.
 8-ft. Bamboo Extension Rod with shut-off cock \$4.50.

Root Dry Powder Dusters



Root Hand Dry Powder Dusters—On these dusters the nozzle can be reversed, throwing the poison behind the operator. Each \$18.00.

Root Saddle Gun—Complete with saddle. Each \$48.00.

Root Saddle Gun only, \$40.00.

Root Saddles and Brackets, \$10.00.

Root Dusting Cart—Complete. Each \$75.00.

No. 600 Bellows Duster

Provides a uniform discharge by agitation of the bellows: strong and desirable. Each \$1.50; by mail \$1.75.



No. 149
Brass Shut-Off Cock

Male End Coupling— $\frac{3}{8}$ and $\frac{1}{2}$ inch, 25c.
 Female End Coupling— $\frac{3}{8}$ and $\frac{1}{2}$ inch, 25c.

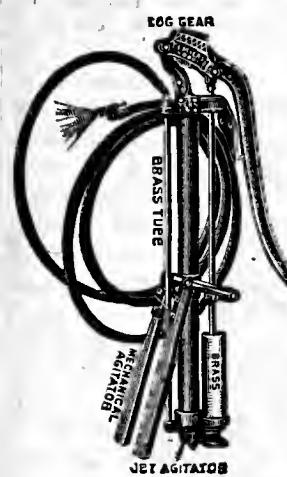
FREE

Eezy Wear Gloves

With every cash order at catalogue prices to the amount of \$6.00 or over, we will include with your order one pair of Eezy Wear all-leather gloves. Retail value 75c. These gloves are useful for all garden work, spraying, etc. What size do you want?

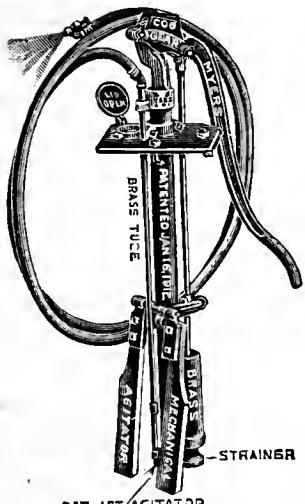
RUSSELL-HECKLE'S SPRAY PUMPS

We handle several of the best lines of Orchard, Bucket and Compressed Spray Pumps. Every pump guaranteed to give satisfaction. We will make special prices on large jobs such as Power Sprayers, etc. Ask us for catalog.



Barrel or Orchard Spray Pumps

Myers No. R305B—Attaches to the side of barrel. Price, with one lead, 15 feet of $\frac{1}{2}$ -inch, 5-ply discharge hose, Vermorel nozzle and mechanical agitator, \$12.00.



Myers No. R318B—Has bronze ball valves and brass seats. Plunger is self-expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of $\frac{1}{2}$ -inch, 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator, \$12.80.



Paragon Barrel Pump No. 540—Paragon Spray Pump has the greatest and most necessary improvement on any sprayer.

The Paragon cannot clog; strainer is 4 inches long, and each stroke of the plunger removes any sediment, therefore the liquid that passes into the pump is always clean and does not clog the nozzle. Price, with 15 feet special spray hose, spray nozzle and agitator, \$7.50.

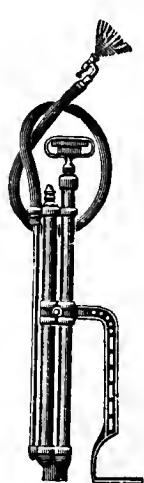
Knapsack Sprayers



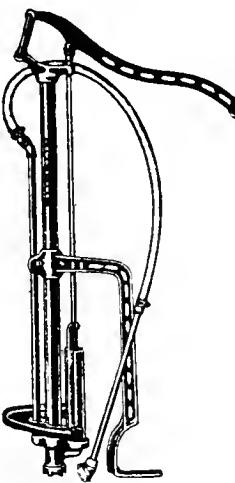
Myers No. R330 Perfect Galvanized Knapsack Spray Pump—Fitted with 5 feet of $\frac{3}{8}$ -in. hose, stop cock, pipe extension and nozzle, \$9.75.

Myers No. R331 Perfect Copper Knapsack Spray Pump—Complete with hose, stop cock, pipe extension, and nozzle, \$14.00.

Bucket Spray Pumps



Myers No. 325

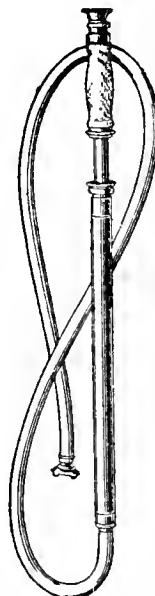


Hudson No. 126

Myers Bucket Sprayers—These spray pumps are constructed entirely of brass. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in proper position.

Myers No. 325 Bucket Pump—Makes fine or coarse spray; all brass; provided with a good air chamber, \$3.50; by parcel post, \$3.80.

Myers No. R324 Spray Pump—A combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder. Price, with nozzle, \$5.25; by parcel post, \$5.65.



Standard Brass Spray Pumps

This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants. It is made entirely of brass, doing away with all danger of corrosion.

Price, sprayer only, not postpaid, \$4.50; postpaid, \$4.75.

Price, extension attachment, not postpaid, 75c; postpaid 90c.

No. 427G Continuous



A new type of continuous sprayer, with trouble-proof valve and nozzle assembly. Glass jar container of 24 ounces. Brass working parts. Easy operation. For all oil sprays. No. 427G Continuous, \$1.00; by mail, \$1.25.

Hand Sprayers

These are the single stroke sprayers that will give good satisfaction, are well made and with ordinary care will last well. Should be kept well oiled.

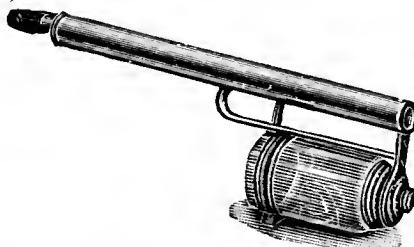


Hudson No. 452—1-qt. tin sprayers, each 45c; by parcel post, 70c.

Hudson No. 202—1-pt. tin sprayers, each 25c; by parcel post, 45c.

Fly-Tox—1-qt. litho. tin sprayers, each 40c; by parcel post, 65c.

Fly-Tox—1-pt. litho. Sprayers, each 25c; by parcel post, 45c.



Hudson No. 430—1-Qt. Crescent Glass Jar Sprayers—Double discharge tubes throw a wide fan-shaped spray. Any Mason Jar fits them; easily cleaned. Price, with jar, 50c; by parcel post, 70c.

Continuous or Compressed Air Hand Sprayers



Brown's Auto No. 26 Continuous Sprayer—Will spray insecticides continuously. There is no other machine like it for power, efficiency and easy operation. Unequaled for small garden and house plant sprays.

Handles all insecticides, fly and mosquito exterminators. Trouble-proof construction. Every part can be reached for quick and easy cleaning. Brown Auto No. 26A—1-quart tin sprayers. Each 85c; by parcel post, \$1.10.

Portable Sprayers



Myers No. R336B—Portable Sprayers—Capacity, 12½ gallons; tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has agitator, with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension. Complete, \$21.00.

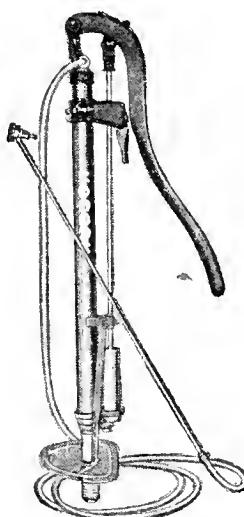
THE HUDSON SPRAY PUMPS

A standard and satisfactory line of sprayers for every need. They are dependable in every way. They are good sprayers and will operate properly. The new improved Hudson Barrel and Bucket Pumps now have the non-clogging tubular brass screen, and every stroke of the pump plunger cleans the intake strainer. This means a solution 25 per cent thicker than ordinary can be handled by the Hudson outfits; besides it means a more concentrated solution is put out, so that the insecticides give real results. When buying a spray pump you want the best. Order a Hudson job.

Hudson Barrel Spray Pump No. 4A—The Hudson Barrel Pump will maintain a working pressure of 200 pounds. Handles whitewash, cold water paints, disinfectants, insecticides, etc. Furnished with attachment for mounting on chime of barrel.

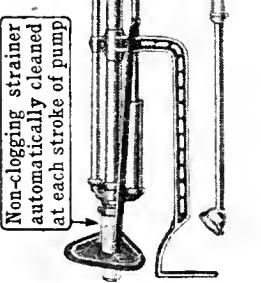
No. 4A—Pump, with 6-ft. 3/8-in., 5-ply spray hose and 4-ft. extension rod—and angle Ideal nozzle, \$12.75.

Fitting for mounting on head of barrel, extra, \$1.95.



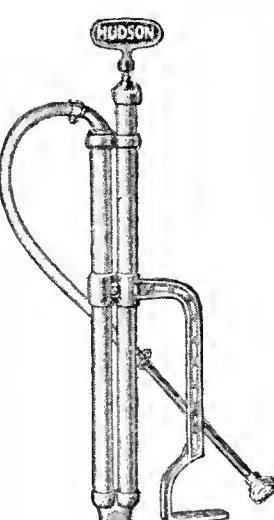
Hudson No. 126 A. S. Moro Spray Pump—An extra heavy, durable spray pump for use in spraying fruit trees, etc. Also for whitewash and cold water paints. The non-clogging tubular brass strainer and agitator keeps it from clogging, maintains high pressure and uniform discharge.

Price with 3 ft. 3/8 in. hose, 12 in. extension rod and fog nozzle with discs for spray or solid stream, \$6.00; by mail, \$6.45.



Hudson No. 128 Mohawk Bucket Spray Pump—Operates in a small bucket or tank. All working parts are brass, accessible for cleaning, etc. Produces fine or coarse spray or solid stream. This job will give high pressure and is fine for all uses besides whitewashing.

Price with 3 ft. hose, 12 in. extension and fog nozzle, \$3.75; by mail, \$4.00.



Hudson No. 133 Senior Trombone Sprayer—A double acting, high pressure sprayer that will handle all solutions for spraying tall trees right from the ground. Maintains a continuous stream without much undue exertion on part of the operator. Fine for washing automobiles, fighting fire, whitewashing, in addition to spraying all garden crops, fruit trees and shrubs. It is easily cleaned, made of all brass and will last indefinitely if taken care of.

Price, complete, \$4.00; by mail, \$4.30.



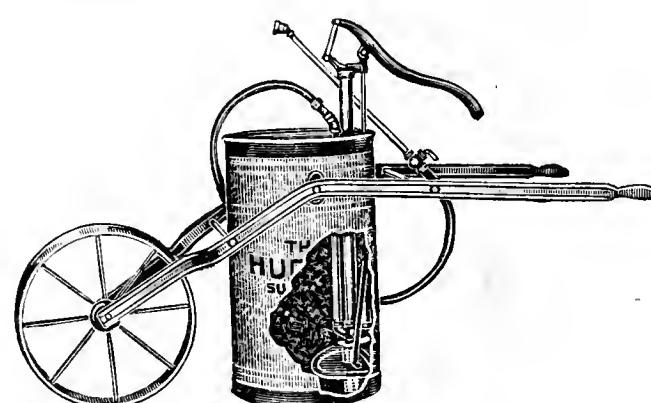
Hudson No. 110 Perfection Sprayer—One of the most dependable outfits, strong and durable, with automatic nozzle that can be adjusted for any spray from finest to solid stream. The Hudson Sprayers are fitted with 12-inch extension rod.
No. 110G—4-gal. galvanized tank, \$6.00; by parcel post, \$6.45.
No. 110B—4-gal. brass tank, \$8.75; by parcel post, \$9.20.



Hudson Junior No. 140 Sprayer—The Junior Sprayer is designed for the man who wants an efficient, high pressure compressed air sprayer of smaller size.

Hudson Junior No. 140G—2½-gallon galvanized tank, \$4.50; by parcel post, \$4.85.

Hudson Junior No. 140B—2½-gallon brass tank, \$6.75; by parcel post, \$7.10.



Hudson No. 36S Sunshine Sprayer



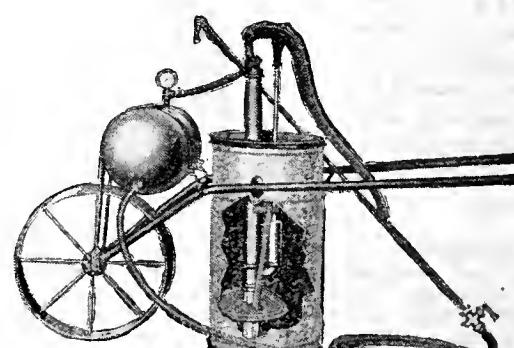
Hudson's No. 665 Major Duster—Handles Calcium Arsenate, Paris Green, Tobacco Dust, etc., very satisfactorily; has powder strainer to prevent clogging and give a uniform volume of discharge. Has extra nozzle for applying powders to under side of leaves. This is a real duster that will do the work well.

Price, each, \$1.00; by mail, \$1.20.



Hudson No. 663 Cadet Duster—Adapted for spraying any fine, dry insecticides in a powdered form; very easy to use and very efficient. The material should be dry and finely ground, otherwise it will clog. Excellent to apply dusting sulphur, slug shot or roach powders.

Price, each, 50c; by mail, 65c.



Hudson No. 32S Ideal Portable Sprayer—This is a real sprayer—one that you can depend on in every way. Capacity 12 gallons, with 10 feet of 3/8-inch spray hose and 4-foot pipe extension rod shut-off cock and ideal nozzle; a portable outfit attached to an iron wheelbarrow frame with wheel. Weight 67 lbs. Price, \$22.00.

Hudson No. 33S Ideal Portable Sprayer—The same as the No. 32 outfit, excepting it is equipped with a reserve air pressure gauge and tank. See illustration. Once the desired pressure has been reached, the air chamber supplies an even pressure, making it practically a one-man outfit. Both of these portable sprayers can be used for disinfecting, whitewashing, as well as for spraying trees, shrubs, etc. Price No. 33S Sprayer, \$33.75.

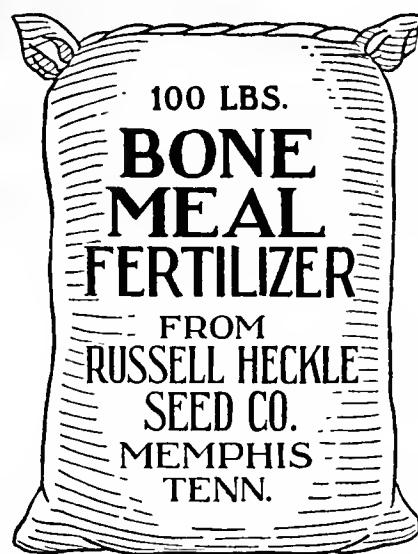
R.-H. CO.'S FERTILIZERS

R.-H. Co.'s Sheep Manure

A pure, natural manure, free from all noxious weeds. Highly recommended and used largely as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. Easy to use and safe as it does not burn.

It may be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1,000 lbs. per acre.

Prices: 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.25. By parcel post, 5 lbs. 45c; 10 lbs. 70c.



R.-H. Co.'s Bone Meal Fertilizer

We guarantee our Bone Meal to analyze 24% phosphoric acid and not less than 2.47% ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, ferns, and other potted plants; and for grass crops. It is especially desirable for producing solid, firm growth, which is an important feature in fertilizing the orchard, shade trees, shrubs, etc. Fine for lawns. 5 lbs. 25c; 25 lbs. \$1.00; 125-lb. sack \$3.75; by parcel post, 5 lbs. 45c.

Nitrate of Soda

Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

It requires about 150 pounds of Nitrate of Soda to the acre.

Prices: 5 lbs. 25c; 15 lbs. 75c; 25 lbs. \$1.00; not available.

For prices on larger quantities, refer to Green Ink List in this catalog.



NITROPHOSKA

15-30-15

Nitrophoska contains 15 per cent nitrogen, 30 per cent phosphoric acid, and 15 per cent potash—all of which is soluble and easily available for rapid, sturdy growth.

Five to ten pounds of Nitrophoska (depending upon the natural richness of the soil) is enough to fertilize 1,000 square feet of lawn or garden. It may be spread broadcast by hand; dissolved in water and applied with a sprinkling can; or mixed with such materials as peat moss and humus before applying.

These new air-nitrogen fertilizers are the gift of modern science to the farmer and the home-owner. They are three to four times as strong as any other material. 3 lbs. 25c; 10 lbs. 75c; 25 lbs. \$1.50.

Calcium Nitrate

15% Nitrogen; 50% Limestone Equivalent.

Attracts Moisture—Dissolves Quickly.

Calcium Nitrate is the most quickly and easily soluble of all nitrogen fertilizers. It will dissolve in its own weight of water. In dry weather it will attract enough moisture from the air to dissolve itself. Even in a dry season it absorbs sufficient moisture from the soil to dissolve and begin feeding the crop at once. Calcium Nitrate is the quickest and surest nitrogen fertilizer to use in dry weather. Prices given on application.

Cal - Nitro

Cal-Nitro contains lime in a form which helps to check soil acidity and also supplies lime as a plant-food. Many soils are deficient in lime and too acid to produce maximum yields. Price on application.

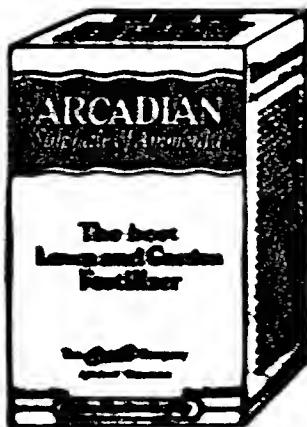
R.-H. Co.'s Commercial Fertilizers

Especially prepared for us. They excel in mechanical condition, are fine and dry and easily spread by hand in drill or broadcast. Our various brands are described below, quoted on request. Analysis about as follows:

	Phosphate	Nitrogen	Potash
Good Luck corn fertilizer.....	8%	4%	4%
Good Luck cotton fertilizer	8%	4%	4%
R.-H. Co.'s Special Cotton Mixture.....	10%	5%	3%
R.-H. Co.'s Early Trucker Fertilizer.....	8%	4%	4%
R.-H. Co.'s Acid Phosphate.....	16%		
R.-H. Co.'s Bone Meal.....	22%	2½%	
R.-H. Co.'s Muriate of Potash.....		48%	
R.-H. Co.'s Cotton Seed Meal.....		7½%	
R.-H. Co.'s Kainit Potash Salts.....			20%

Can furnish prices on other formulas.

Quantity Prices: For above prices on Fertilizers, see Green Ink List enclosed.

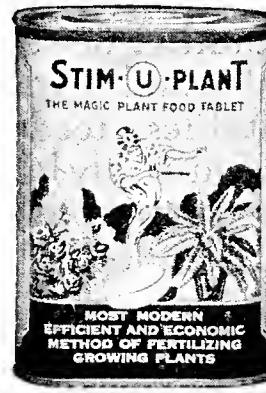


Sulphate of Ammonia

A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25½ per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food. One 2-lb. package of Arcadian contains as much nitrogen as 100 pounds of stable manure. Does not gather moisture. Always fine and dry. Price in bulk: 4 lbs. 25c; 10 lbs. 50c. By mail, 4 lbs. 45c; 10 lbs. 75c.

Jax

The triple strength plant food contains 17% Nitrogen, 33% Phosphoric Acid and 17% Potash and is completely water soluble. Gives quick and lasting results. Fine for lawns, flowers and vegetables, potted plants, etc. Package 15 tablets 25c; 1 lb. 40c; 5 lbs. \$1.15; postpaid. Not prepaid, 1 lb. 30c; 5 lbs. \$1.00; 25 lbs. \$4.00; 100 lbs. \$12.00. f. o. b. Memphis.



Granulated Peat Moss — G. P. M.

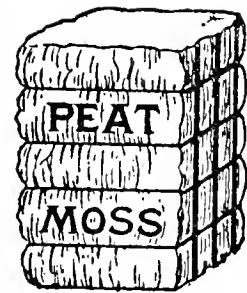
A moisture-retaining humus. Quickly decays so that it is available for plant food. It is excellent for potting bulbs and also for clayey soils, gravelly soils, flower beds, hotbeds, and as a winter protection for lawns. It is also good for mulching roses, perennial flower beds, evergreens, etc.

Prices—Not prepaid, trial bale containing 2 bushels (compressed) \$1.25; postpaid \$1.65. Not prepaid, large 20 bushel bale (compressed) \$3.75.

Stim-U-Plant Plant Stimulant Tablet

Stim-U-Plant is an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Price: 30 for 25c; 100 for 75c; 1,000 for \$3.50. Postpaid, 30 tablets 28c; 100 tablets 80c; 1,000 tablets \$3.65.



Lawn and Garden Lime

Lime sweetens sour soil and gives nature a chance to release the potash which is natural in our soil.

Three to five pounds for a plot 10x10 or 100 square feet is about the right quantity for gardens.

Caution: Do not use bare hands and do not let any flying lime get into the eyes. If seeds are to be sown put lime on a week before planting.

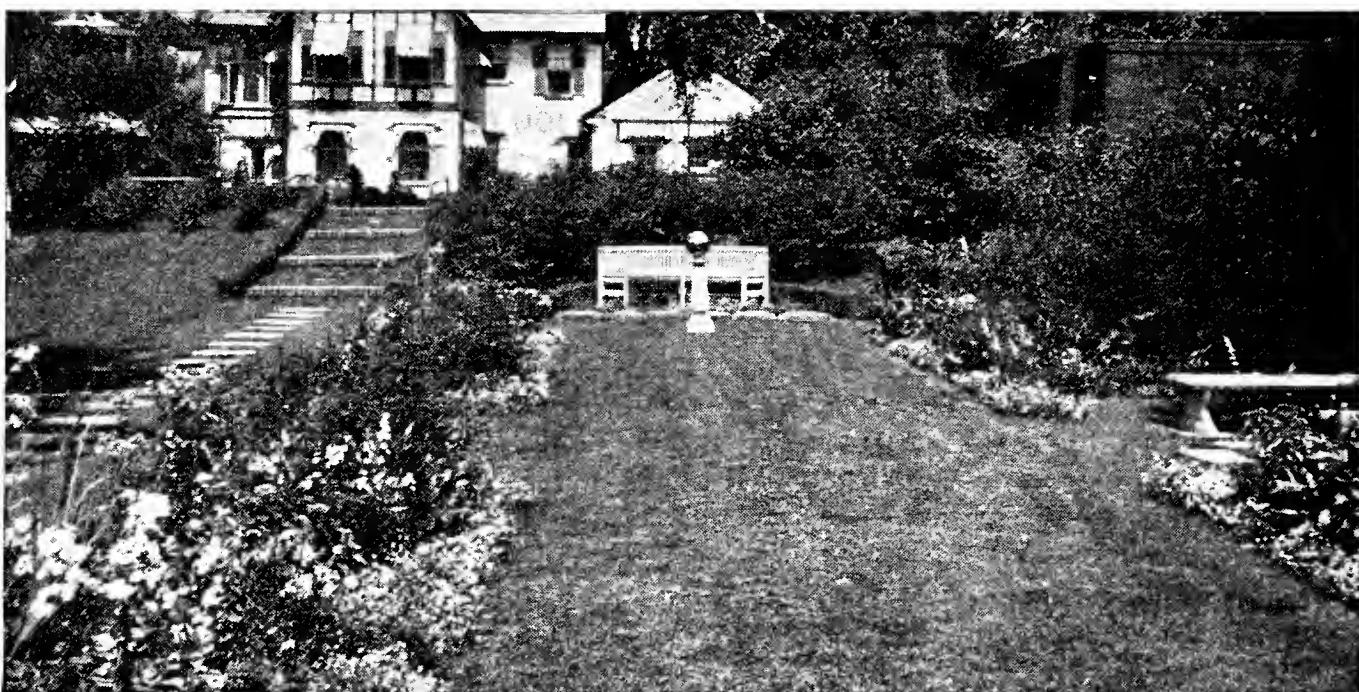
Price: White Hydrated Lime, 10-lb. bag 30c; 50-lb. bag 75c; not available.

For the Vegetable and Flower Garden, Lawn, Shrubbery and Trees. A highly concentrated odorless plant food made by Swift & Co. Produces wonderful results when making new lawns or top dressing old ones.

Vigoro produces more and more brilliant flowers, full foliated shrubbery, delicious vegetables and leafy trees. It is the ideal plant food for whatever you grow. Write for descriptive pamphlet. Prices: 12-oz. pkg. 10c; 5 lbs. 50c; 25 lbs. \$1.75; 50 lbs. \$3.00; 100 lbs. \$5.00. By mail, 12-oz. pkg. 18c; 5 lbs. 65c.

VIGORO

Specially prepared plant food



For Beautiful Lawns and Gardens

All plants require a complete, balanced diet for full growth and beauty. The best seed or plants will not produce good results if grown in a soil which is deficient in any one of the many necessary food elements.

For velvety-green lawns with deep, extensive roots; large, beautiful flowers; luxuriantly foliated shrubs and trees; and early, delicious vegetables, feed them Vigoro, the complete, scientifically balanced food for all plants, and you may be sure your plants have all the nourishment they need.

Vigoro is easy to use and economical. Simple directions for feeding everything you grow accompany each bag or package. Vigoro is used annually on 3,000,000 homes. We recommend it.

The Vigoro Spreader applies Vigoro, grass seed, and other materials evenly and accurately. Write for prices and full description.



A square meal for lawns and flowers is 4 lbs. of Vigoro per 100 sq. ft.

Prices:	
100-lb. Bag.....	5.00
50-lb. Bag.....	3.00
25-lb. Bag.....	1.75
5-lb. Pkg.....	.50
12-oz. Pkg.....	.10

F. O. B. MEMPHIS

VIGORO

Complete plant food

A Product of Swift & Company



SEED SOWERS -- FERTILIZER DISTRIBUTORS

Vigoro Spreader

You Need This New Gardening Aid!

Spreads Vigoro and seed evenly and accurately. Saves time and labor. Ideal for sowing on windy days. Designed for use on established lawns. Can be used on newly prepared soils if well firmed. Costs no more than a good garden spade. Sturdily constructed. Weight 6 lbs. Has 14-in. spread. \$1.95 plus postage.



For Large Areas Use One of the Larger Vigoro Spreaders

A size for every need. Will soon pay for itself in saving of time and labor.

Easy running, sturdy machines with a patented force-feed principle. Spread Vigoro, seed, salt, sand, and insecticides uniformly at any desired rate. Equipped with handle controlled shut-off. Equally efficient on established lawns or soft ground.

Made in three sizes: Junior—14-inch spread.....\$5.75 Standard—24-inch spread.....\$10.00 Special—36-inch spread.....\$16.00

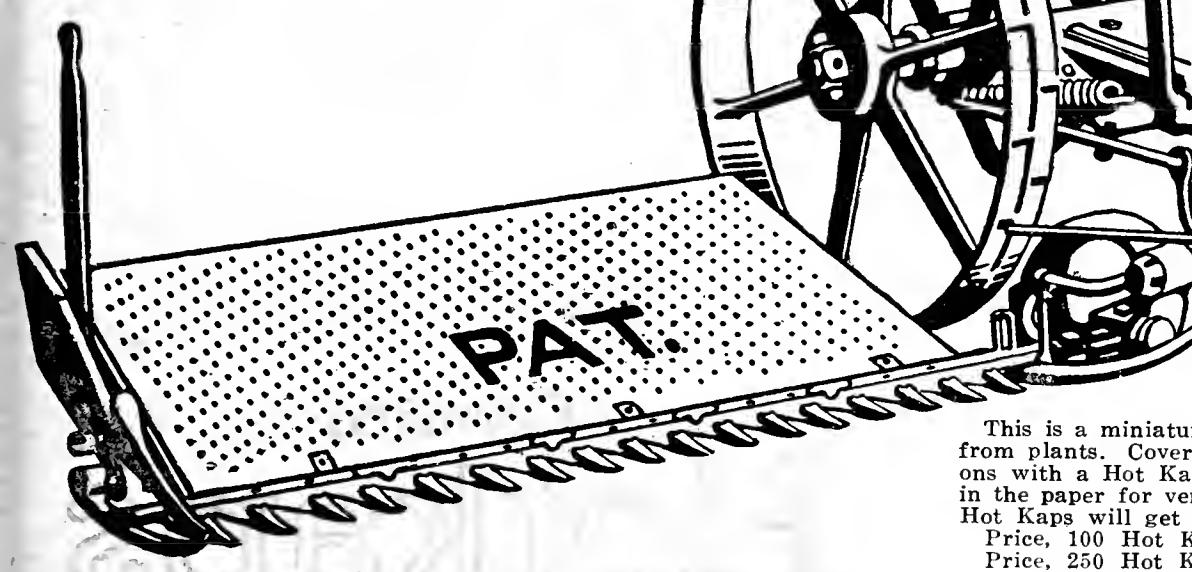
All prices f. o. b. Memphis.

IMPORTED GRANULATED PEAT MOSS TORF MULL

Granulated Peat Moss—G. P. M.

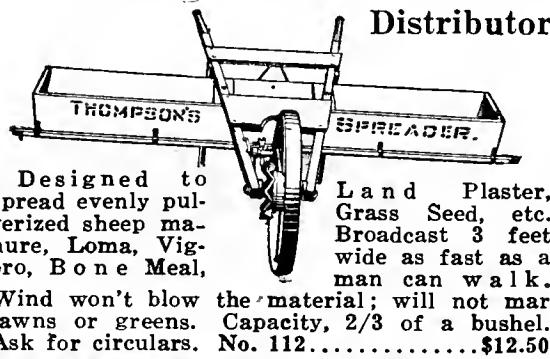
A moisture-retaining humus. Quickly decays so that it is available for plant food. It is excellent for potting bulbs and also for clayey soils, gravelly soils, flower beds, hot-beds, and as a winter protection for lawns. It is also good for mulching roses, perennial flower beds, evergreens, etc.

Prices: Not prepaid, trial bale containing 2 bushels (compressed) \$1.25; postpaid \$1.65. Not prepaid, large 20-bushel bale (compressed) \$3.75.



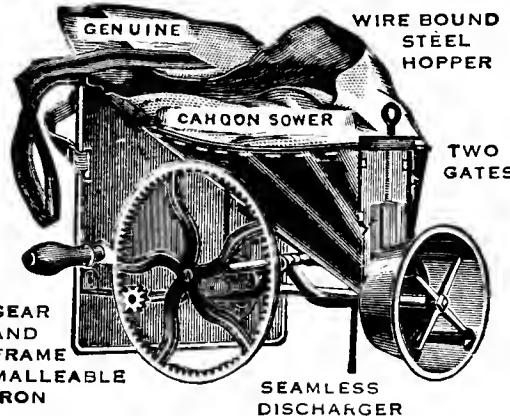
Coop Seed Saver

Thompson Fertilizer and Seed Distributor



Designed to spread evenly pulverized sheep manure, Loma, Vigoro, Bone Meal,

Land Plaster, Grass Seed, etc. Broadcast 3 feet wide as fast as a man can walk. Wind won't blow the material; will not mar lawns or greens. Capacity, 2/3 of a bushel. Ask for circulars. No. 112.....\$12.50



Cahoon Broadcast Seed Sower

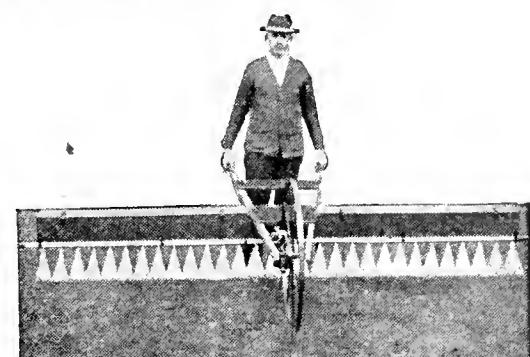
One of the best seeders manufactured, and sows all kinds of grain, clover seeds, etc. Very strong and durable. Price, each, \$3.75; by parcel post, \$4.10.

Coop Seed Saver

A practical device for saving Lespedeza, sweet clover and any other small seed or grain that shatters while cutting. It saves your seed and turns waste into profit. Attach a Coop Seed Saver to your mower and let it pay for itself in one-half day. It will last for years. Thousands of satisfied customers who are using Coop Seed Savers is your assurance that we are offering you something worthwhile. They are "Standard in the South." Made in all sizes from 4½ feet to 7 feet; also special sizes for tractor mowers.

Pan for 4½-foot mower.....\$10.50 Pan for 5-foot mower.....11.00

Other sizes quoted on request.



Thompson's Wheelbarrow Seeder

Thompson's Wheelbarrow Seeder

The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. The seed is never bunched. Seed is sown close to ground, hence the wind does not blow it. Sows when in gear and does not sow when out of gear. The safe, sure and economical way is with the Thompson Wheelbarrow Grass Seeder.

No. 3 Double Hopper

Fourteen feet in length, having an extra deep Hopper. The No. 3 Seeder is the best for sowing Lespedeza Seed in addition to sowing Alfalfa, Clovers, Timothy, Grasses of all kinds, Millet, Rape, etc. Price \$13.50 each.



Cyclone Broadcast Seed Sower

Cyclone Broadcast Seed Sower

Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate which insures a uniform flow of seed. Price, each \$2.00; by parcel post, \$2.20.



Horn Seed Sower

The Horn Seed Sower

A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and Grasses. Price, 95c; by parcel post, \$1.05.



Germaco
Hotkaps

New Method of Plant Protection

This is a miniature greenhouse; keeps cold, light frosts, wind, etc., from plants. Cover seed like Cantaloupe, Squash, Cucumbers, Melons with a Hot Kap. They are then protected. Pinch a few holes in the paper for ventilation and watch the plants grow. The use of Hot Kaps will get crops to market four weeks earlier.

Price, 100 Hot Kaps with Garden Setter, \$2.50; by mail, \$2.75.

Price, 250 Hot Kaps with Garden Setter, \$4.00; by mail, \$4.30.

GERMACO HOTKAPS FOR EARLIER CROPS



Protect plants from frost *for earlier crops and higher prices*



1. Place HOTKAP in Setter



2. Place Setter Over Seed or Plant

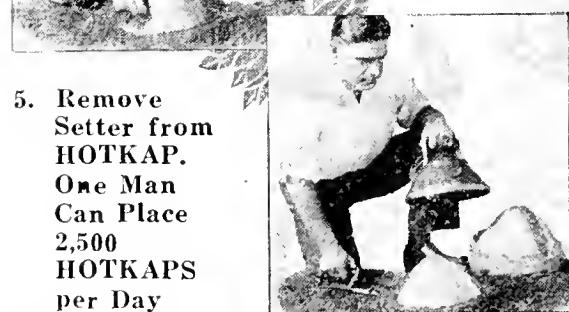


3. Cover Outside Edge of HOTKAP With Soil



4. Tamp Soil Around Edge of Setter

5. Remove Setter from HOTKAP. One Man Can Place 2,500 HOTKAPS per Day



GERMACO HOTKAPS are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an “individual hothouse for each plant,” protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. This is your assurance of earlier, bigger crops, and early-to-market prices.

HOTKAPS are quickly and easily “set.” One man can set over 2,500 of them in a day. The illustrations on the left show how they are placed with the aid of the Germaco HOTKAP Setter and Tamper. Thousands of progressive farmers in every state are now regular users of this modern crop necessity. They are getting bigger, hardier crops and greater profits than ever before.

Write us today about this money-maker, or simply order your season's supply now.

Prices: HOTKAPS are packed 100, 250 and 1,000 to the package. All orders should be in multiples of these quantities.

100 with Garden Setter and Tamper.....	\$ 2.50
By mail	2.75
250 with Garden Setter and Tamper.....	4.00
By mail	4.30
500 with Garden Setter and Tamper.....	7.00
By mail	7.60
1,000 Hotkaps without Setter.....	11.00
5,000 Hotkaps without Setter, per 1,000.....	10.50
10,000 Hotkaps without Setter, per 1,000.....	10.00

F. O. B. Memphis

Germaco Hotkap Steel Setter with Tamper.....	2.50
By mail.....	2.65
Garden Setter alone.....	.40
By mail.....	.50

Where large quantities are to be set the Steel Setters should be used, consequently the 1,000 packages do not include the Papier Mache Garden Setter.

Weight: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; steel Hotkap Setter, 3 lbs.

Germāco
Hotkaps

FLOWER POTS — GARDEN TOOLS



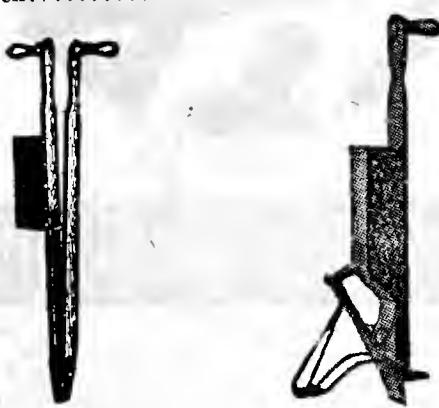
Flower and Bulb Pots

Prices the same on both styles.

2½ inch.....	Doz. \$.20; 100, \$1.50
3 inch.....	Doz. .30; 100, 1.75
4 inch.....	Doz. .35; 100, 2.50
5 inch.....	Doz. .60; 100, 4.25
6 inch.....	Each .10; Doz. .85
7 inch.....	Each .15; Doz. 1.25
8 inch.....	Each .20; Doz. 2.25
10 inch.....	Each .45; Doz. 4.25
12 inch.....	Each .85; Doz. 9.75

FLOWER POT SAUCERS

7 inch.....	Each \$.05; Doz. \$.55
8 inch.....	Each .10; Doz. .90
9 inch.....	Each .12; Doz. 1.25
10 inch.....	Each .25; Doz. 2.50



Two-Hand Corn Planter, \$1.25

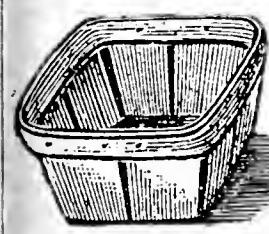
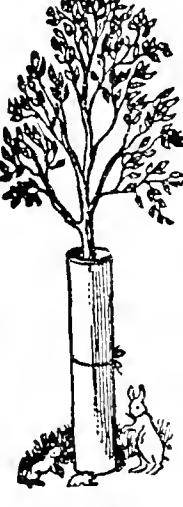
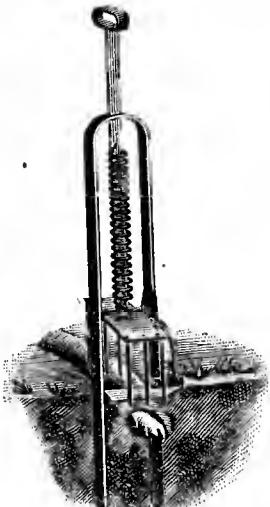
One-Hand Corn Planter, \$1.75

9-Inch Hedge Shears, \$2.25

Asparagus or Dandelion Knife.....
Hudson 12-inch Hand Cultivator.....
Hedge Shears, 6-inch blade.....
Hudson 5-tooth Wheel Cultivator.....
Weather Thermometers.....

Each \$.50
Each .25
Each .85
Each 1.75
Each .50

Rhodes Double Cut Pruning Tool.....	Each \$2.50
Moe's Telephone Tree Pruners.....	Each 1.25
Rhodes Tree Pruning Saw.....	Each 2.50
Virginia Curved Pruning Saw.....	Each 1.25
Pexto No. 110—8-inch Hand Pruning Shears.....	Each 1.50
Pexto No. 50—9-inch Hand Pruning Shears.....	Each 1.25
Pexto No. R65—9-inch Hand Pruning Shears.....	Each 2.00



Cyclone Picking Bag, 60c

Mole Trap, 90c

Veneer Tree Protector

Garden Rakes, Twine, Etc.

18-prong Wooden Lawn Rake.....	Each \$.60
Veneer Wooden Tree Protectors.....	100 1.50
Cotton Twine, 2½-oz. balls, 4-ply.....	Dozen balls .60
Two-ply Jute Twine, ½-lb. balls.....	Dozen balls 1.20
Two-ply Jute Twine, 50-lb. coils.....	Each 7.50
Masters Plant Setters.....	Each 2.50
Bushel Stave Baskets, wire handle.....	Dozen 1.25

Garden Weeders and Trowels

No. 88 Moe's Dandelion Weeder.....	Each \$.15
No. 860 Gilson 5 pt. hand.....	Each .10
No. 82 Moe's 5 pt. Claw Weeder.....	Each .15
No. 96 Michigan Wire Weeder.....	Each .10
No. 829 Village 4 pt. 10 in. Weeder.....	Each .35
Planet, Jr., Bulb Trowel.....	Each .70
Planet, Jr., Hand Garden Trowel.....	Each .70
Planet, Jr., Hand Weeder.....	Each .60
Garden Set, 3-piece—2 Trowels, 1 Weeder.....	Per set .60

Strawberry Boxes, Etc.

1-quart Strawberry Boxes.....	100, \$1.00; 1,000, \$8.50
1-pint Strawberry Boxes.....	100, .90; 1,000, 8.00

By mail, 40c per 100 extra.

3-quart Peach or Tomato Baskets.....	Doz., .25; 100, 1.75
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Wooden Plant & Tree Labels, Plant Stakes

4-inch Plant Labels.....	100, \$.40; 1,000, \$2.50
6-inch Plant Labels.....	100, .60; 1,000, 3.50
Copper Wired Tree Labels.....	100, .50; 1,000, 3.00
Pencils, Indelible, for writing on labels.....	Each, .12
Galvanized Iron Dahlia Stakes....4½ ft., each 15c; 5½ ft., each .16	
Green Bamboo Stakes.....4 ft. doz. 20c; 100 1.00	
Natural Bamboo Stakes, heavy ¾ in.....4 ft., doz., .85	

Weed Pullers, Spades

No. 60 Rid-O Weed Puller.....	Each \$.50
No. 10 Sure Grip Weed Puller.....	Each .75

No. 90 Triplex Trowel Weeder.....	Each .50
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Steel Measures

1 quart.....Each 20c	2 quart.....Each 30c	4 quart.....Each 35c
1 peck.....	Each 40c	½ bushel.....Each 50c

RUSSELL-HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

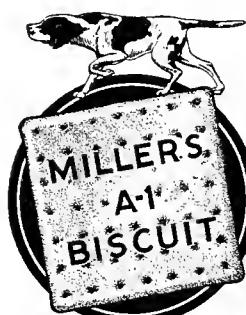
RUSSELL-HECKLE'S DOG FOODS

We are headquarters for the best Dog Foods and sell at factory prices as we are carlot buyers. Our stocks are always fresh and dependable, all manufactured on a scientific, balanced ration basis. Our stocks are always fresh and dependable. It pays to use our prepared Dog Foods as your dogs will keep in better condition and health.



Battle Creek Health Food for Dogs

Miller's A-1 Dog Ration is one of the best balanced dog foods in the United States. It is fed to hunting dogs, police dogs, fox terriers, bull dogs and all other kinds—they all thrive on it. It is cooked and ready to use when received by dogs of all ages and breeds. Bulk, 1 lb. 10c; by parcel post, 18c; 6 lbs. 50c; by parcel post, 65c; 10 lbs. 75c; by parcel post \$1.00; 25 lbs. \$1.50; by parcel post within second zone, \$1.95.



"Battle Creek Health Food for Dogs"

Miller's A-1 Dog Biscuit

Miller's A-1 Dog Biscuits contain the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.50; by parcel post within second zone, \$2.95.

Miller's A-1 Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies. Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.40; by parcel post, within second zone, \$2.85.

Miller's A-1 Kibbled Biscuit

Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.40; by parcel post within second zone, \$2.85.

Bennett's Milk Bone Dog Biscuit



A superior biscuit. Keeps dogs in good condition; is a complete, easily digested perfectly balanced food, suitable for all breeds. Per box 35c; by parcel post, 45c.

BENNETT'S MILK BONE PUPPY BISCUIT

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 35c; by parcel post, 45c.



Champion Dog Foods

Champion Dog Food is a complete and balanced diet for all ages and breeds of dogs. It is made from clean, fresh, wholesome ingredients. It contains a large content of fresh meat, white flour, whole wheat, corn meal and oat meal, iodine as a preventive of goiter, pure cod liver oil to furnish vitamins and prevent rickets, and various mineral salts to strengthen the bones.

Champion Dog Biscuit

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25-lb. bags, \$2.50; by parcel post within second zone, \$2.95.

Champion Kibbled Dog Biscuit

(The broken small pieces.)

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.75; by parcel post within second zone, \$3.20.



Champion Puppy Biscuit

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25-lb. bags, \$2.75; by parcel post within second zone, \$3.20.

Champion Puppy Meal

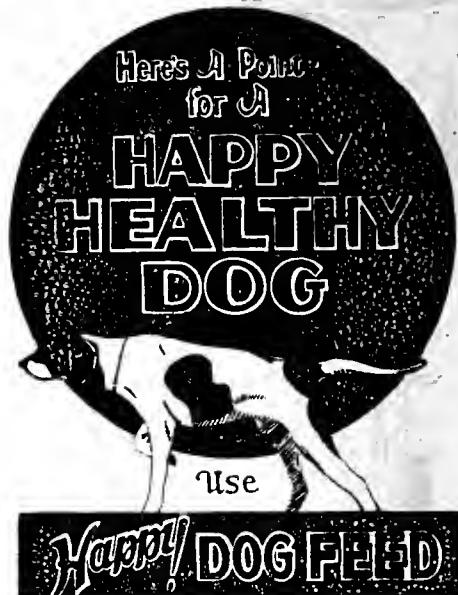
Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.75; by parcel post within second zone, \$3.20.



Distemper in Dogs can be cured with

Delcreo

This wonderful preparation will cure your dog of distemper and cold. Per bottle, \$1.50 and \$5.00 each.



Happy Dog Feed contains the finest, dried buttermilk, and the sweetest meat meal for strong muscles; the choicest cereal products for energy and condition; and selected minerals for sturdy bones and strong white teeth.

Happy Dog Feed comes to you uncooked. It can be fed dampened with warm water or cooked into a biscuit. Dogs like it and eat it readily in any form. 5 lbs. 40c; by parcel post, 60c; 10 lbs. 60c; by parcel post, 85c; 25 lbs. \$1.15; by parcel post within second zone, \$1.60.

K. F. S. Kibbled or Broken Dog Biscuit



Contains cereals, vegetables, Cod Liver Oil, meat in larger proportions than most feeds, etc. It is a high-grade food at a reasonable price. A balanced ration. Prices: 1 lb. 15c; 8 lbs. \$1.00; 25 lbs. \$2.50. By parcel post, 1 lb. 22c; 8 lbs. \$1.20; 25 lbs., within second zone, \$2.95.

Riteway Conditioner Powder
A tonic and conditioner for dogs, puppies and cats. Contains Calcium, cod liver oil and other minerals essential to proper digestion and general health. Should be fed before and after whelping. Produces rich milk and prevents rickets. 4-oz. pkg. 25c; postpaid, 35c; 16-oz. pkg. 75c; postpaid, 85c; 5-lb. pkg. \$2.00; postpaid, \$2.20.

PUTS PEP IN PUPS

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

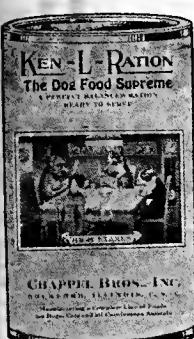
R.-H.Co.'s CANNED DOG MEAT—DOG REMEDIES

Ken-L-Ration

The Dog Food Supreme.

These Foods Are Literally Full of Vitamins.

Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil. A perfect balanced ration. 1-lb. can 15c; 6 cans 90c; case 48 1-lb. cans \$5.95; by parcel post, 1-lb. can 25c; 6 cans \$1.15.



Pup-E-Ration

Is the perfect puppy food. Very rich in protein, calcium phosphate, cod liver oil and marrow fat. 1-lb. can 20c; 6 cans \$1.00; case 48 cans \$6.40; by parcel post, 1-lb. can 28c; 6 cans \$1.25.

Hemo-Ration

Is a meat, blood, cereal and cod liver oil product. Ideal food for breeding stock, anemics and convalescents. 1-lb. can 20c; 6 cans \$1.00; case 48 cans \$6.00. By parcel post, 1-lb. can 28c; 6 cans \$1.25.

Maro-Meat

A clear meat-and-marrow product, to be mixed with other and lighter material. 2½-lb. can 40c; dozen cans \$4.00; case 18 cans \$5.75. Parcel post, 2½-lb. can 50c.

Kit-E-Ration

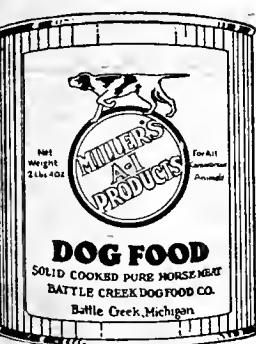
The cat food supreme. A balanced ration, ready to serve. 1-lb. can 20c; 3 cans 50c; case 48 1-lb. cans \$6.00. By parcel post, 1-lb. can 28c; 3 cans 65c.

Miller's A-1 Quick Lunch

A clean meat product designed to meet the needs of a quick lunch for dogs and puppies; rich in protein and organic matter. Can be used as a complete food, or with Miller's A-1 Ration. 1-lb. can 15c; 12 cans \$1.50; case 48 1-lb. cans \$5.40. By parcel post, 1-lb. can 23c; 12 cans \$1.80.



Miller's A-1 Canned Meat



Solid cooked, pure horse meat, ready to feed alone or mix with Ration, Biscuit, Kibbled Biscuit or Vegetables, etc. Highly concentrated, contains no bones, no fat, just thoroughly cooked meat, ready to serve. More food value to one pound Miller's Canned Meat than three lbs. of raw beef; 2½-lb. can 35c; 6 cans \$2.00; case 18 2½-lb. cans \$5.25. By parcel post, 2½-lb. can 50c; 6 cans \$2.30.

We Sell
B. K.

For 145 Farm Uses

B. K. is especially useful to dog owners. It is ten times stronger than Carbolic Acid in destruction of disease germs, insects, etc. It is a powerful disinfectant that should be on hand at all times. Keep the kennel and premises free of fleas, lice, disease, etc., with B. K. 10-oz. bottle 50c; 1 qt. \$1.20; 1 gallon \$2.75. By mail, 10-oz. bottle 60c.



KUR-MANGE

Kur-Mange is a fine powder, to be dissolved in water and applied either as a wash, bath or dressing. In addition to mange it is highly effective in curing many superficial skin diseases such as eczema and ringworm. Kur-Mange kills fleas, lice, ticks and mites in a single treatment. 3-oz. can 75c; by mail 85c.

PULVEX

Pulvex is the new and remarkable dusting powder for animals and birds.

One application of Pulvex is enough, because Pulvex is thorough, because, unlike ordinary powders, it actually kills the insects, not merely stunning or stupefying them. Pulvex is different in every way from anything else you have ever used. It is better, safer and easier. 2-oz. box 50c. By mail 60c.

SOPEX

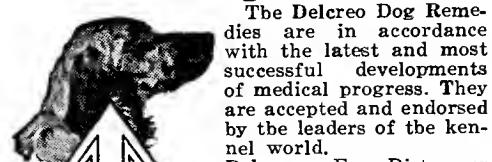
Sopex is a satisfactory and safe combination Shampoo and destroyer of lice and fleas on dogs. A wonderful shampoo, that cleans the animal and adds lustre to the coat. Two applications of Sopex will absolutely rid your dog of every flea. Mix at rate of 4 tablespoonfuls Sopex to 1 gallon of warm water. Price, 4-oz. can 75c. By mail 85c.

PULVER DOG SOAP

Kills Fleas as It Cleans

In addition to thoroughly cleansing your dog and ridding it of parasites, Pulvex Dog Soap, made of choice olive oil and other pure ingredients, has a stimulating effect on the animal's skin, and gives a beautiful gloss and silkiness to the hair. Price 50c; by mail 55c.

Delcreo Dog Remedies



The Delcreo Dog Remedies are in accordance with the latest and most successful developments of medical progress. They are accepted and endorsed by the leaders of the kennel world.

Delcreo — For Distemper and Black Tongue. 4-oz. bottle \$1.50; by parcel post \$1.60; 16-oz. bottle \$5.00; by parcel post \$5.25.

Cod Liver Oil—4 ozs. 30c; postpaid 40c; qt. \$1.00; postpaid \$1.15.
Delcreo Tonic—2-oz. bottle .75.
Delcreo Worm Capsules—For puppies, small dogs and large dogs. Box .60.

Ask for Delcreo Kennel Manual.



You have no home if you have no dog

REG. U. S. PAT. OFF.

“Tet” (Tetrachlorethylene) For Worms

Tetrachlorethylene is endorsed by the U. S. Department of Agriculture as the safest known effective wormer for Dogs and Puppies. Prevents and cures Running, Barking Fits and Sore Mouth.

Price, per box (all large capsules for large size dogs), \$1.00.

Price, per box (all small capsules for small size dogs), \$1.00.

Price, per box (assorted capsules, for all size dogs), \$1.00.

Glover's Dog Remedies

Post-

	Each paid
Glover's Antiseptic Mouth Wash	\$.65 \$.75
Glover's Blood Purifier	.65 .75
Glover's Canker Wash (for ears)	.65 .75
Glover's Compound Sulphur Tablets	.65 .70
Glover's Condition Pills	.65 .70
Glover's Diarrhea Medicine	.65 .75
Glover's Digestive Pills	.65 .70
Glover's Expectorant Mixture	.65 .75
Glover's Eye Lot. & Eye Wash Powd.	.65 .75
Glover's Flea and Insect Powder	.50 .60
Glover's Hair and Mange Medicine	.75 .85
Glover's Iron Tonic	.65 .75
Glover's Kennel and Flea Soap	.25 .30
Glover's Laxative Pills	.65 .75
Glover's Liniment	.65 .75
Glover's Medicated Soap	.30 .35
Glover's Nerve Sedative (for fits)	.65 .75
Glover's Round Worm Capsules	.65 .70
Glover's Round Worm Vermifuge	.65 .70
Glover's Sore Foot Medicine	.65 .75
Glover's Tape Worm Capsules	.65 .70
Glover's Tetrachlorethylene Capsules	.65 .70

Write for Glover's book on Dog Diseases.

Q. W. Dog Remedies

Trade Mark



These well-known dog medicines are preferred by many kennel owners because they give results:

	Each Postpaid
Q. W. Breeding Tablets	\$2.00 \$2.05
Q. W. Condition Powder	1.00 1.05
Q. W. Constipation Pills	1.00 1.05
Q. W. Cough Mixture	1.00 1.05
Q. W. Diarrhoea Remedy	1.25 1.30
Q. W. Diserol, for Distemper	2.00 2.10
Q. W. Dog Soap	.35 .40
Q. W. Ear Canker Lotion	1.25 1.30
Q. W. Eye Salve	1.00 1.05
Q. W. Fit Tablets	1.25 1.30
Q. W. Flea Oil, Coat Grower	1.00 1.05
Q. W. Flea Powder	1.00 1.05
Q. W. Healing Salve	1.00 1.05
Q. W. Liniment	1.25 1.30
Q. W. Sulphur Compound	1.00 1.05
Q. W. Mange and Flea Soap	1.00 1.05
Q. W. Mange Lotion	1.00 1.05
Q. W. Cod Liver Oil Comp.	1.25 1.30
Q. W. Rheumatism Tablets	1.00 1.05
Q. W. Tapeworm Mixture	1.00 1.05
Q. W. Tonic & Blood Builder	1.00 1.05
Q. W. Verminol	1.25 1.30
Q. W. Worm Capsules	.65 .70
Q. W. Worm Mixture	1.00 1.05
Q. W. Insect Powder	.50 .55

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

RUSSELL - HECKLE

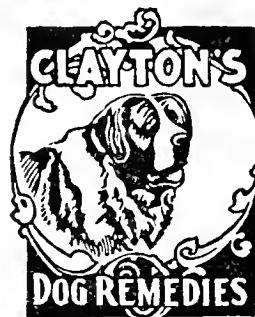
TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

RUSSELL-HECKLE'S DOG REMEDIES

Clayton's Dog Remedies



Blood Purifying Pills	Vermifuge Liquid
Chorea	Canker Lotion
Creolin Dog Wash	Cough Remedy
Diarrhea Liquid	Digestive Tablets
Eye Lotion	Worm Bullets
Laxative	Rheumatic Tablets
Puppy Tonic	Tapeworm Expeller
Sulphur Tablets	Hair Tonic
All 25c each; parcel post 30c.	

Benbow's Dog Mixture



A wonderful tonic for an ailing dog.	Postpaid.
40 capsules, $\frac{1}{4}$ teaspoonful.....	\$.50
24 capsules, $\frac{1}{2}$ teaspoonful.....	.60
15 capsules, 1 teaspoonful.....	.75
4-ounce bottle	2.50
26-ounce bottle	4.00
	4.25

RUSSELL-HECKLE'S DOG COLLARS AND LEADS

Flat Dog Collars

No. 101—A good, strong collar with name plate in assorted sizes. Price 50c each. By parcel post 60c.

No. 1—Very heavy leather collar with name plate, assorted sizes. Each 75c. By parcel post 85c.

Fancy Round Leather Collars

No. 436— $\frac{3}{4}$ -inch buckle, assorted lengths. Each 75c; postpaid 85c.



RUSSELL-HECKLE'S RAT AND MOUSE

MOUSE SEED

No mixing needed. The perfumed seed attracts and kills the mice that eat it. Box 25c; not mailable.

ZELIO RAT POISON

A powerful rat and mice destroyer. It acts slowly and the animal leaves the premises instead of dying in the hole. 2-oz. tube 50c. Poison; not mailable.

ZELIO POISONED WHEAT

Kills rats and mice. Can 35c; not mailable.

RATSOL

A new non-poisonous exterminator of rats and mice. Harmless to man and domestic animals, poultry, dogs or cats. Purchase price refunded if it fails. Price: 2-oz. package 50c; by mail 60c.

CYANOGAS

Kills rats and moles. Can 75c; not mailable.



Vitamil

A condition of yeast, cod liver oil, calcium phosphate, etc. Vitamil aids digestion, prevents rickets, helps to eradicate worms, and is a great in correcting and preventing running and barking fits, mange, and other ailments. Especially good for growing puppies; stimulates the appetite, builds bone and muscle.

To insure good healthy litters, give Vitamil daily to both the male and female for several weeks before mating.

Postpaid, 4 oz. can 55c; 1 lb. \$1.35. Not prepaid, 4 oz. 50c; 1 lb. \$1.25.

Bradley's Submarine Worm Expeller

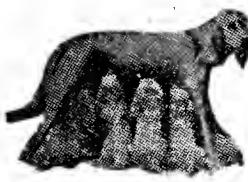
Gets the last worm. There can be no failure if directions are followed. Per box \$1.00; by parcel post \$1.10.

Calcum

Makes Puppies Grow Strong and Healthy

A mineral compound fed to the matron before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.

Calcum takes the place of green-bone food and prevents acid milk and rickets or softening of the bones. Calcum is not a complete food in itself, but a small amount being used in conjunction with the regular food. 1 lb. \$1.00. By parcel post, \$1.10.



Interno Mange Remedy

Interno is an internal remedy for mange and other skin diseases.

Dog Mange Remedy—Box \$2.00, postpaid.

Puppy Mange Remedy—Box \$1.50, postpaid.

Dog Leads



No. 200 Dog Lead

No. 200—White cord lead, closely braided, for small breeds; 4 feet long. Each 25c; parcel post 35c.

No. 58— $\frac{5}{8}$ inch wide, flat tan lead. Each 75c; postpaid 85c.

No. 19—Heavy, 4 feet long. Each \$1.25; postpaid \$1.35.

Toy Dog Collar

No. 425— $\frac{3}{8}$ -inch buckle, length 9 inches. Each 50c; parcel post 60c.

DESTROYERS

COWLEY'S RAT AND MOUSE EXTERMINATOR

This preparation is a scientific chemical compound, and is made in a way that attracts the rats and mice to drink it. This is the secret: They will drink it, and as it only requires a very small amount to kill, there is no telling how many can be killed in one night. Don't get this rat poison confused with other preparations that look like it, for it is not like them. Don't hesitate to try it, as it is sold on a positive money back guarantee.

Price 50c; 6 bottles \$2.50; f. o. b. Memphis.

Sergeant's DOG MEDICINES

"A MEDICINE FOR EVERY DOG AILMENT"

	Post-paid.
Sergeant's Arsenic and Iron Pills	\$.60
Sergeant's Canker Wash	.60
Sergeant's Carbolic Tar Wash	.25
Sergeant's Condition Pills	.60
Sergeant's Disinfectant, 4 oz.	.25
Sergeant's Disinfectant, 1 qt.	.75
Sergeant's Diuretic Pills	.95
Rheumatism	.60
Sergeant's Expectorant Medicine—Coughs	.60
Sergeant's Eye Wash	.60
Sergeant's Intestinal Astringent—Diarrhea	.60
Sergeant's Laxative Capsules	.60
Sergeant's Liniment	.60
Sergeant's Mange Medicine	.65
Sergeant's Mouth Wash	.60
Sergeant's Nerve Sedative—Running Fits	1.20
Sergeant's Pepsin Tablets	.60
Sergeant's Puppy Worm Capsules	.60
Sergeant's Shampoo Soap	.25
Sergeant's Skip Flea Powder	.25
Sergeant's Skip Flea Soap	.25
Sergeant's Special Medicine—Distemper	1.20
Sergeant's Sure Shot Worm Capsules	.60
Sergeant's Sure Shot Worm Liquid	.60
Sergeant's Tape Worm Medicine	.60
Write for Polk Miller's Dog Book.	.65

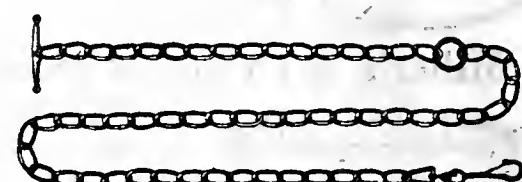
Areco

Guaranteed to remove tapeworm, including the heads, where they are known to be present. Simple and easy to administer. 75c, postpaid.

Sovrem

Sovrem—Black Tongue remedy..... 1.50

Nickel-Plated Bench Chains



No. 19—Heavy, 4 feet long. Each \$1.25; postpaid \$1.35.

Toy Dog Collar

No. 425— $\frac{3}{8}$ -inch buckle, length 9 inches. Each 50c; parcel post 60c.



FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

RUSSELL - HECKLE

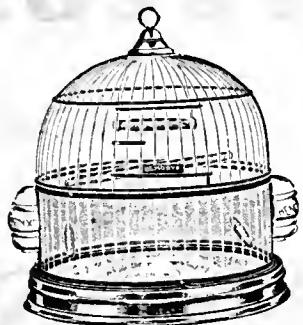
TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

R.-H. Co.'s BIRD CAGES AND SUPPLIES

Fancy Duco Bird Cages



These are the latest thing in Bird Cages. All made up in fancy style and in several colors. Real classy, strong, handsome and an ornament to any home.

We have these in several beautiful colors: Red and black, blue and gold, green and black.

No. 2274—Diameter 10 $\frac{1}{8}$ inches, height 13 inches. Each \$2.50.

No. 2275—Diameter 11 inches, height 13 $\frac{7}{8}$ inches. Each \$2.75.

Fancy Duco Cage Stands

Each

No. 57—Half arch, blue and gold..... \$2.00

No. 57—Half arch, red and black..... 2.00

No. 57—Half arch, green and black..... 2.00

By parcel post, 35c each extra.

These stands match Duco Cages above.

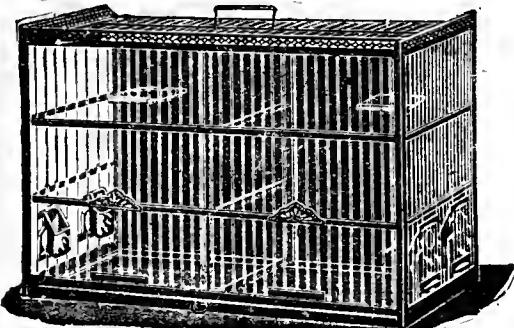
New Style Welded Cages and Stands

Durable, high gloss finish. Colors: Green with dark shading; red with black shading.

Style "C" Cage, 10 inches in diameter, 16 inches high, with wire guard and colored seed and water cups. Each \$1.25; by parcel post \$1.60.

Style S. C. Cage Stand, in colors to match above cages, 5 feet, 5 $\frac{1}{2}$ inches in height. Each \$1.25; by parcel post \$1.60.

Metal Breeding Cages



Absolutely vermin-proof, complete with solid and wire partitions, metal drawer and solid back, 4 glass cups, 6 perches and 2 nests.

No. 86S—17 $\frac{1}{4}$ x 8 $\frac{3}{4}$ x 14, each \$4.25; by parcel post, \$4.65.

No. 86—19 $\frac{1}{2}$ x 10 x 14 $\frac{3}{4}$, each \$4.75; by parcel post, \$5.20.

No. 87—22 x 11 x 16 $\frac{1}{4}$, each \$5.75; by parcel post, \$6.25.

Brass Cage Springs



Post-paid

Brass Cage Springs, heavy..... \$.15

Brass Cage Springs, light..... .10

Bird Cage Springs, colored..... .10

Brass Cage Spring Chain, 1 ft... .10

Brass Cage Spring Chain, 2 ft... .15

Gold Fish Food

Post-paid

Spratt's Aquarium Fish Food..... \$.10

Wafer Fish Food10

Natural Fish Food10

Bird Bath—Bird Nest



	Post-paid
Baths, opal.....	\$.15
Nests, wire.....	.10
Nesting Hair, pkg.....	.10
Insect Gun, filled.....	.25
Novelty Bells .....	.10

Bird Cage Cups



	Post-paid
Glass Cups.....\$.15	\$.20
Opal Cups..... .15	.20
Breeding Cups .. .20	.30
Parrot Cups.... .35	.40
Medicine Cups.. .05	.10
Duco Colored Cups..... .20	.25
Crystal Fountains.... .20	.25

Colored Tassels for Bird Cages

	Post-paid
Each	\$.15

By parcel post..... .20

Bird Cage Bracket

	Post-paid
C. H. Bird Cage Bracket.....\$.15	\$.20
B. J. Bird Cage Bracket..... .20	.30
Perches, all sizes..... .05	.08
Swings .....	.10
Knobs, for top..... .15	.20
Round Wood Cage Swings..... .10	.15
Cement for Leg Bands, tube..... .20	.25



	Post-paid
Phil. Mixed Canary Seed, pt. box.. \$.20	\$.28
Phil. Red Bird Gravel, pt. box.... .15	.25
Phil. Silver Bird Gravel, pt. box.... .15	.25
Phil. Drahotas Song Restorer, box. .20	.25
Phil. Bird Bitters, bottles..... .25	.30
Phil. Mite Powder, box..... .25	.30



	Postpaid
Phil. Bird Nestling Food, 25c; postpaid	30c.
Phil. Moultng Pepper, box..... .25	.30
Phil. Orange Color Food, box..... .25	.30
Phil. Bird Merican Salve .....	.30
Phil. Bird Manna .....	.18

8 in 1 Health Food

A song and vigor restorer. A superior preparation, once used always used. Bottle 25c; postpaid 30c.

Bird Seed and Remedies

	Post-paid
R.-H. Co.'s Mixed Canary	\$.15
R.-H. Co.'s Bird Hemp .....	.15
R.-H. Co.'s Bird Rape .....	.15
R.-H. Co.'s Bird Millet .....	.10
R.-H. Co.'s Plain Canary .....	.15
R.-H. Co.'s Sunflower Seed .....	.15
French Bird Seed.....	.15
Gunning's Bird Tonic .....	.35
Honey Cakes .....	.10

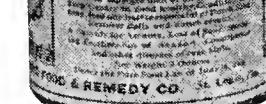
Spratt's Canary Supplies

	Post. paid
Spratt's Egg Flake Canary Mixture	\$.25



Haller's Bird Remedies

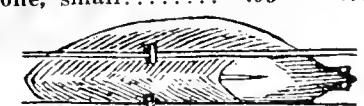
	Post. Each paid
Color Food. \$.25	\$.30
Dutch Song Restorer .....	.25
Bird Tonic .....	.20
Bird Bitters .....	.25
Cage Wash. ....	.20
Feather Restorer ...	.20



West Bird Remedies

	Pkg. Post-paid
West's Magnesia Grit.....	\$.10
West's Rape and Canary Mixture .....	.20
West's Moulting Food, Glass.....	.25
West's Health Bells.....	.15
West's Asthma Relief.....	.20
West's Bird Charcoal .....	.10
West's Egg Bread .....	.25
West's Imported Bird Seed with Honey Bun Grit Cuttle Bone...	.25
West's White Golden Spray Gravel.....	.15
West's Song Restorer, Glass.....	.25
West's Vitamin Song Food.....	.25
West's Fruit and Honey Ball.....	.15
West's Lice Powder. Sifter Top .....	.15
West's Bird Tonic and Bitters .....	.25
West's Color and Pepper Food, Glass .....	.25
West's C. L. O. Nestling Food .....	.20
West's Special Mating Food .....	.35
West's Cuttle Bone, large.....	.10
West's Cuttle Bone, small.....	.05

Cuttle Fish Bones



Phil. Bird Cuttle Bone—With holder. Large, each 10c; postpaid 12c. Small, each 5c; postpaid 7c.

Fresh, clean, medium size, whole bone, loose, 3 for 5c; lb. 45c. By mail, 3 for 10c; lb. 55c. Wire Cuttle Bone Holders—10c.

KIT-KAT

Keeps cats from having worms, constipation, sore eyes, humors and all diseases peculiar to cats. 35c a box, postpaid.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

Quaker FUL-O-PEP POULTRY FEEDS WITH BUTTERMILK

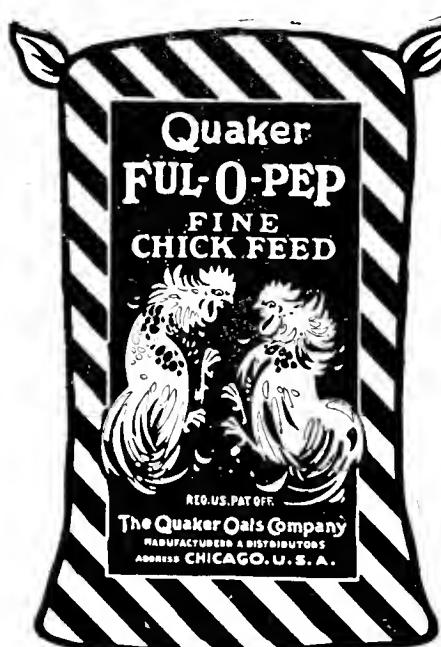
Quaker Ful-O-Pep Poultry Feeds are built to the highest standards of production. Each is carefully mixed to fill its special purpose. All Ful-O-Pep Mashes contain oatmeal. Actual tests have proved that birds fed oatmeal feeds give the best and quickest weight and laying results. Each mash is properly balanced with a variety of high-grade ingredients. They now contain dried buttermilk.

Ful-O-Pep Chick Starter



Ful-O-Pep Chick Starter is just the feed chicks need during the first six weeks after hatching. It contains oatmeal, other grain products, cod liver meal, molasses and minerals. It reduces the mortality rate of the flock. Strong bones, firm flesh, and healthy, hardy birds result from its use. 8 1/3 lb. pkg. 40c; by parcel post within second zone, 60c.

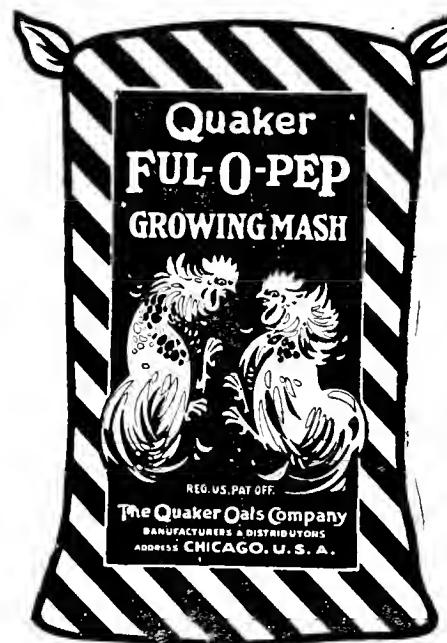
Ful-O-Pep Fine Chick Feed



High quality milling grains have been carefully cracked to the right size for baby chicks. For the best results it should be fed with Ful-O-Pep Chick Starter until the chicks are six weeks old. 8 1/3 lbs. 30c; by parcel post within second zone, 50c.

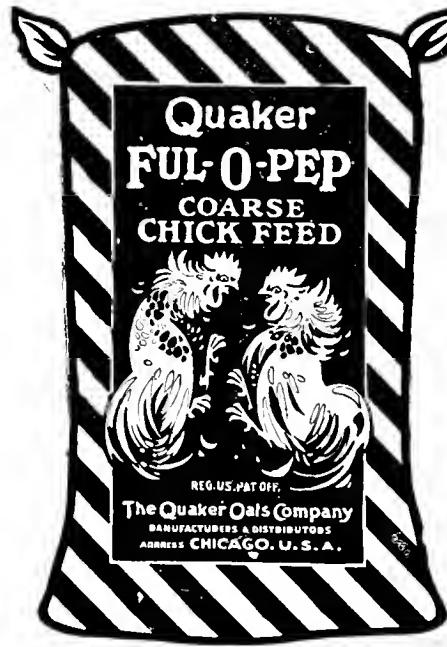
Full-O-Pep Fattening Feed This feed has been built to fill the needs of poultry raisers or poultry dealers who are fattening fowls for the market. Special ingredients make it easily digested. Ask for price. Prices on 25-lb., 50-lb. and 100-lb. bags of Ful-O-Pep Poultry Feeds are given on Special List in this catalog.

Ful-O-Pep Growing Mash



This balanced feed offers poultry raisers a profitable short cut to marketable meat birds and egg-producing pullets. It should be fed from the sixth week until the sixth month. Oatmeal in the mash insures an unusual quantity of fine-fleshed, delicate-flavored breast meat. 8 1/3 lb. pkg. 35c; by parcel post within second zone, 55c.

Ful-O-Pep Coarse Chick Feed

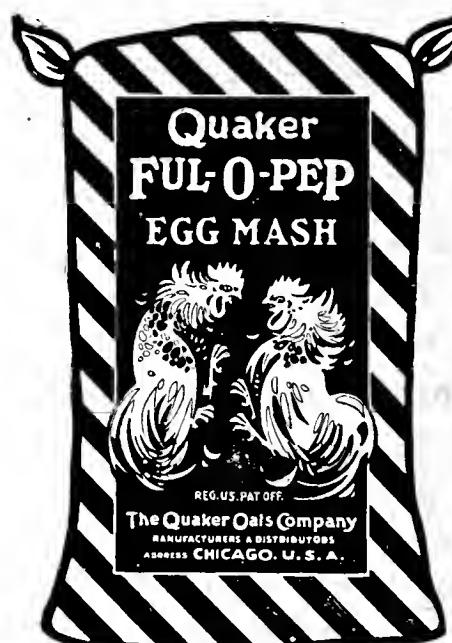


Ful-O-Pep Coarse Chick Feed contains a mixture of assorted grains. It is suitable for feeding after the chicks are six weeks old. Fed with Ful-O-Pep Growing Mash it completes the feed requirements for a growing bird. Only fresh grains of the best quality are used. Sold in bulk only. 10 lbs. 30c; by parcel post within second zone, 50c.

Full-O-Pep Turkey Starter

Starter does the work. It tends to keep the poult in proper condition. Avoid the old method of raising turkeys on hard-boiled eggs, corn bread, etc. Use Ful-O-Pep Turkey Starting Mash and you will raise nearly all you hatch. Ask for Raysem Booklet on Turkey Raising. Price, Ful-O-Pep Turkey Starter, 8 1/3 lb. bag 40c; by parcel post within second zone, 60c.

Ful-O-Pep Egg Mash



This mash keeps hens healthy, active, and eager to lay. It contains oatmeal, other grain products, molasses (in dry form), necessary minerals, proteins and carbohydrates—just the things hens need to make quantities of eggs. Results accomplished keep the actual feed cost of the eggs remarkably low. 8 1/3 lb. pkg. 30c; by parcel post within second zone, 50c.

Ful-O-Pep Scratch Grains



Ful-O-Pep Scratch Grains contain an assortment of small and cracked grains. Best egg production results are attained when it is fed with Ful-O-Pep Egg Mash. Poultry specialists recommend feeding Ful-O-Pep Scratch Grains to laying hens once each day (about one hour before the birds go to roost). 8 1/3 lbs. 25c; by parcel post within second zone, 45c.

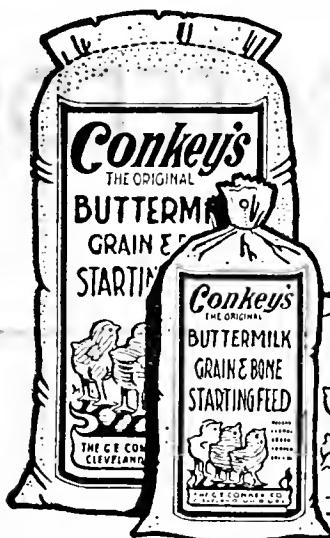
RUSSELL-HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

CONKEY'S VITALIZED BABY CHICK STARTER



Conkey's Buttermilk Chick Starter with Y. O. Yeast and Cod Liver Oil is now pronounced by authorities everywhere to be the finest, purest and the best Baby Chick Starter on the market.

Remember, every ingredient is present, therefore Conkey's will raise every livable chick.

Conkey's Buttermilk Chick Starter is appetizing, wholesome, highly digestible, always uniform and complete in every element needed for bone, muscle, feathers and health.

It is a vitalized feed; a combination of digestible food with Buttermilk, Yeast and Cod Liver Oil (Y.O.).

No other Chick Starter contains these much-needed vitamins that keep chicks healthy and strong. It's the Y. O., Yeast and Cod Liver Oil that places Conkey's Chick Starter in a class by itself.

Conkey's Original Buttermilk Starting Feed With Y. O.

This superior chick mash was the first commercial poultry feed containing buttermilk and Y. O.—that is why we call it the ORIGINAL buttermilk starting feed. Conkey's carries buttermilk with Y. O. in just the right proportion as an aid in prevention of bowel troubles, white diarrhea, "leg weakness," etc.

Prices: 5 lbs. 30c; 10 lbs. 55c. By parcel post within 2nd zone, 5 lbs. 45c; 10 lbs. 75c.

Conkey's Buttermilk Growing Mash With Y. O.

Ingredients: Semi-solid buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bean meal and oil meal and Y. O.

This mash is fed after the chicks are eight weeks old. It is balanced for rapid development of muscles, bones, vital organs and feathers. 10 lbs. 40c; by parcel post within second zone 60c. Ask for quantity prices on Conkey's Buttermilk Starting and Growing Mashes.

DRIED BUTTERMILK

Dried Buttermilk not only prevents white diarrhea and other poultry troubles but also increases the digestibility of the balance of the ration. 5 lbs. 40c; by parcel post 55c.

ROLLED OAT MEAL

A valuable food for both baby and growing chicks, rabbits, etc. Makes a fine dog food when cooked. 5 lbs. 25c; parcel post, 40c; 10 lbs. 45c; mailed 65c.

Conkey's Fine Chick Feed

Extra fine quality and composed only of sound, wholesome grain carefully and scientifically balanced. No stale or damaged grain is ever used in preparing this feed.

How to Feed Chick Grains
—When the chicks are 14 days old, begin giving them two feeds a day of Conkey's Chick Grains. Feed the grains sparingly at first in the litter every morning. Give a moderate feeding of the Chick Grains in the evening.

Price: Conkey's Fine Chick Feed—10 lbs. 35c; by parcel post within 2nd zone 55c.

Conkey's Y. O. Yeast With Cod Liver Oil

Is a concentrated dry powder. All ready for mixing with mash. 2% for grown fowls, 1% for chicks. Insures all the necessary vitamins to prevent break-down of laying hens. Increases fertility of breeding stock. Improves number and quality of eggs.

Makes better hatches and chicks that live. Also give it to baby chicks to prevent Leg Weakness. 1-lb. pkg. 50c; parcel post 60c; 2-lb. pkg. 90c; by parcel post \$1.00; 5-lb. pkg. \$1.60; by parcel post \$1.75.



LINSEED MEAL

Used in poultry mashes and stock feed. 4 lbs. 25c; by parcel post 40c.

DIGESTER-TANKAGE OR MEAT MEAL

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 5 lbs. 25c; by parcel post 40c.

Conkey's Growing Grains



A mixture of small grains for growing chicks. Commence feeding when they are 12 weeks old. Conkey's Growing Grains are always of the best quality. 10 lbs. 35c; by parcel post 55c.

Quantity Prices: For quantity prices on Poultry Feeds, see Green Ink List enclosed.

Conkey's All Mash Feed

Contains all the elements needed to raise chicks; especially made for Battery chicks. However, it can be used in the regular way. It is not necessary to feed any grain when using Conkey's All Mash Feed up to 4 weeks, since it contains Cod Liver Oil, Yeast and other minerals in proper combination that will keep chicks healthy and make them grow. For chicks up to 4 weeks old, use Conkey's All Mash Feed, then switch gradually to Conkey's Growing Mash with Y.O. At this time, if chicks are on range, it is profitable to introduce growing grains for growing birds. Conkey's Booklet, giving you information how to feed your baby chicks, is free on request.

Price Conkey's All Mash Feed: 10 lbs. 45c; by mail within 2nd zone 65c.

DRY SKIM MILK

Promotes rapid development of chicks. An effective control of coccidiosis. One pound Dry Skim Milk makes one gallon of the mixture. 5 lbs. 45c; by parcel post 60c.

CANADA FIELD PEAS

Essential for mixing in pigeon feed. 4 lbs. 30c; by parcel post 40c; 10 lbs. 50c; mailed 70c.

Quantity Prices: See Green Ink List enclosed for quantity prices on poultry feeds, etc.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

STAF-O-LIFE POULTRY FEEDS

Staf-O-Life
Offers You
A
Complete
Feeding Service



Always Packed
In
Bright, Three-
Color Bags

Staf-O-Life Chick Starter

Unquestionably one of the finest chick starter mashes on the market. Should be fed to chicks during the first six weeks. Contains buttermilk, oatmeal, the finest selected grains and is fortified with pure tested Cod-Liver Oil concentrate. Insures normal, healthy development and big-boned, husky chicks. Reduces mortality rate to a minimum. 8 1/3-pound bag, 40c; by parcel post within second zone, 60c.

Staf-O-Life Growing Mash

At four to six weeks of age, chicks should be put on Staf-O-Life Growing Mash. This developer mash offers poultry raisers a profitable short-cut to marketable meat birds and egg-producing pullets. Contains buttermilk, oatmeal, carefully selected grains and pure tested Cod-Liver Oil. 8 1/3-pound bag, 35c; by parcel post within second zone, 55c.

Staf-O-Life Laying Mash

Recognized throughout the South as one of the greatest egg producers on the market, Staf-O-Life Laying Mash will keep your birds healthy, active and profitable. It is a perfectly balanced ration when fed with Staf-O-Life Scratch Grains, and contains the necessary minerals, proteins and carbohydrates, fortified with pure, tested Cod-Liver Oil. 8 1/3-pound bag, 30c; by parcel post within second zone, 50c.

Staf-O-Life All Mash Battery Feed

A complete feed in itself for producing broilers or breeders, in brooders or confinement. Nothing else need be fed in conjunction but clean, clear water. This feed is outstanding in the results it produces, amply protected against Vitamin D deficiency, and chicks may be safely raised totally without direct sunlight. 8 1/3-pound bag, 40c; parcel post within second zone, 60c.

Staf-O-Life Chick Grains

Contains the finest quality grains, thoroughly selected and cleaned, then cracked to the right size for baby chicks. For best results it should be fed along with Staf-O-Life Chick Starter after chicks are six days old and continued until chicks are six to eight weeks old. 8 1/3-pound bag, 30c; by parcel post within second zone, 50c.

Staf-O-Life Growing Grains

Contains the highest quality selected grains, cracked to the proper size for growing birds. Only fresh grains of the best quality are used. Should be fed along with Staf-O-Life Growing Mash for best results. 8 1/3-pound bag, 25c; by parcel post within second zone, 45c.

Staf-O-Life Scratch Grains

Staf-O-Life Scratch Grains is a high grade scratch feed in every way. It contains a wide assortment of grains, properly prepared and cleaned. Should be fed in conjunction with Staf-O-Life Laying Mash—a light feeding in the morning, and a heavier feeding late in the afternoon. 8 1/3-pound bag, 25c; by parcel post within second zone, 45c.

Staf-O-Life Poultry Fattener

Staf-O-Life Poultry Fattener is one of the finest feeds on the market for producing milk-fed quality birds in record time. Surprising and economical gains are a matter of record wherever this feed is in use. Available either with or without buttermilk. A complete feed; nothing else need be added but clean, fresh water. See Green Ink List enclosed with this catalogue for prices.

Prices on 25-lb., 50-lb. and 100-lb. bags of Staf-O-Life Poultry Feeds are given on separate price list in this catalogue.

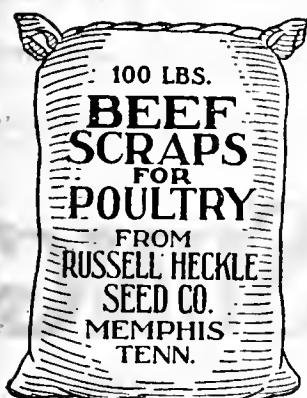
RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

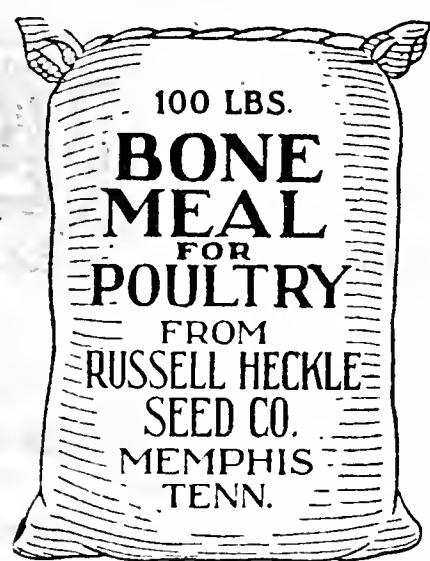
R.-H. Co.'s POULTRY, PIGEON AND STOCK FOODS



get during the summer months. May be mixed with the mash or fed from a hopper. By freight, 5 lbs. 25c; by parcel post 40c.

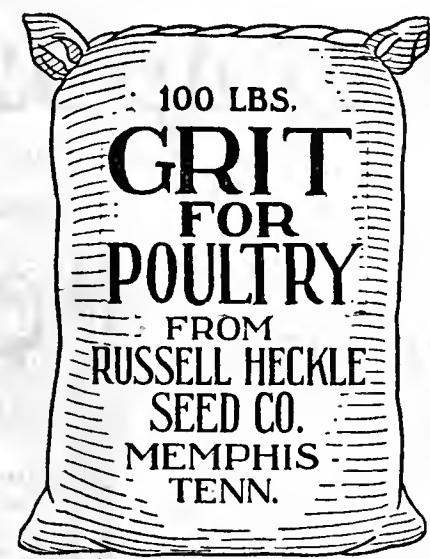
Beef or Meat Scraps

A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they



Poultry
Bone
Meal

This is especially valuable for poultry as an egg-maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hen and the fine grade for chicks. 5 lbs. 25c; by parcel post 40c.



Grit
for
Poultry

A highly essential article for both large and small chicks. Don't fail to provide the fowls with some kind of grit. We can supply all kinds of grit.

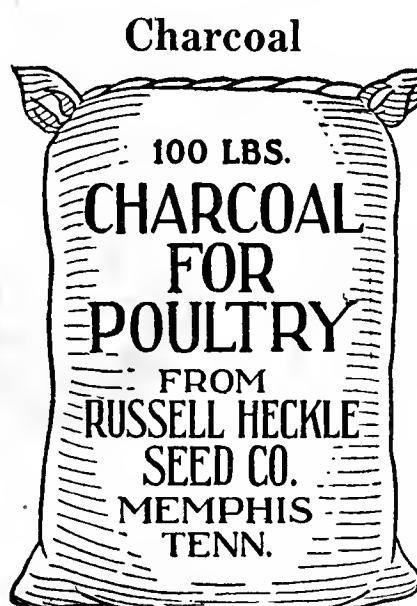
For large chickens; for baby chicks. Be sure to state size wanted when ordering. Price: 10 lbs. 25c. By parcel post within 2nd zone 45c.

Red Cross Health Grit for Pigeons

A tonic and grit combined for pigeons; one of the best preparations on the market. Very essential for maintaining the proper health of pigeons. No. 2 XX Red Cross Pigeon Grit, 6 lbs. 25c; by parcel post 45c.

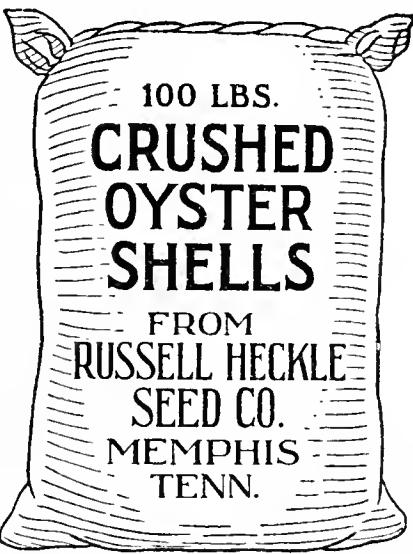


get during the summer months. May be mixed with the mash or fed from a hopper. By freight, 5 lbs. 25c; by parcel post 40c.



Charcoal aids digestions, promotes health, and is generally corrective of many of the poultry ills to which fowls are heir. A little charcoal goes a long way and is worth its weight in gold. Three sizes—fine for chicks; medium, for half-grown fowls and pigeons; coarse, for full-grown fowls. When ordering, state size wanted. 2-lbs. 15c; 4 lbs. 25c. By parcel post, 2 lbs. 25c; 4 lbs. 40c.

Oyster Shells



Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. It is best to have it where the fowls can get at it all the time. Please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 10 lbs. 25c; by parcel post 45c, within second zone.

Happy American Beauty Pigeon Feed



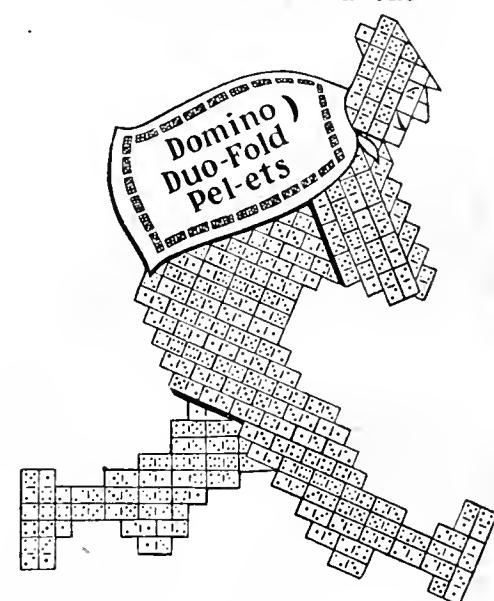
is triple cleaned—contains Canada peas, Argentine flint corn, milo maize, buckwheat, red wheat and vetch. 5 lbs. 25c; 10 lbs. 45c; by parcel post within second zone, 5 lbs. 40c; 10 lbs. 65c.

Happy No. 2—Contains no corn or vetch, but in addition has hemp and hulled oats. Prices same as American Beauty.

Schumacher's Calf Meal

A perfect milk substitute and will keep them in condition; prevents scours, etc. Directions in every bag.

Price 25-lb. bag, which is the smallest amount sold, as we don't break original packages, \$1.15; by mail within second zone \$1.60.

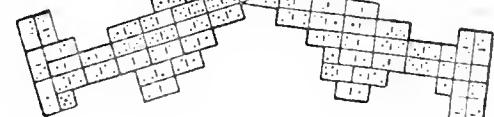
Domino Duo-Fold Pel-ets
Grains and Mash in One

Eliminate waste, simplify feeding, save labor, do away with drudgery of poultry feeding.

Domino Duo-Fold Pel-ets are a new poultry feeding development. Every bird gets the same mixture. When the hopper is filled, you know every hen in the flock will pick up every ingredient in proper balance. By feeding Domino Duo-Fold Pel-ets the birds will be healthier, because they will drink more water, thus shelling out the maximum amount of eggs. Circulars on request.

10 lbs. 35c; by mail within second zone 60c.

Rabbit Pel-ets



A convenient and easy way to feed rabbits is to simply give them a few of the pel-ets at a feeding. They furnish all the minerals; thus does will produce more milk for their young; makes big bones. There is absolutely no waste. An easy way to feed Cod Liver Oil two ounces a day for each rabbit; pel-ets cost is less than one-half cent per day. That's why pel-ets are so economical. Ask for circulars.

Price, 10 lbs. 45c; by parcel post within second zone 70c.



Sunset Rabbit Mash

Made especially for rabbits by one of the largest breeders in the South, and manufactured in accordance with a formula which has proven highly successful. Contains alfalfa meal, shorts, ground oats, linseed meal, calcium, etc., a balanced ration of digestible feeds and minerals; no other feeds required. Postpaid, 10 lbs. 70c; not prepaid, 10 lbs. 45c.

WE RECOMMEND BURRELL-DUGGER POULTRY REMEDIES

Burrell-Dugger Poultry Remedies have been used by thousands of poultry owners, from coast to coast, for many years, and they have more than made good.

They are specialized remedies for poultry, produced in an up-to-date, modern laboratory, just as scientifically and carefully as medicines for human beings.

Knowing the satisfaction which Burrell-Dugger remedies have given our customers, we do not hesitate to recommend them strongly. Every one is guaranteed to satisfy you, or your money will be promptly refunded in full.



FOR CHICKS

Use Avicol Regularly! It Will Pay You

Don't sit back and say your loss of baby chicks can't be stopped. It can be stopped—easily, quickly and at almost no expense—by using Avicol in the drinking water occasionally. Avicol is a special bowel astringent, and helps the chick withstand infection.

Easy to give. Simply drop an Avicol Tablet in the drinking water. The chickens doctor themselves.

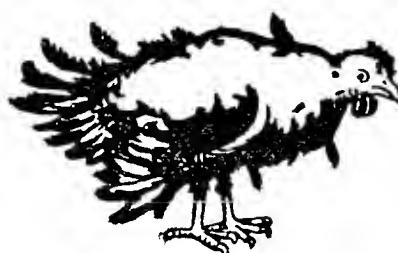
After you have once tried Avicol, you would no more think of trying to raise baby chicks without it than you would think of denying them food.

Avicol should be in the very first water the little chicks drink. And it costs so little that it will pay you to keep it in the drinking water all the time, for all the flock, old and young.

Avicol is fully guaranteed. Your money will be promptly refunded without question or quibble if it doesn't satisfy you perfectly.

Price 50c; large size (holds three times 50c size) \$1.00.

All parcel post paid.



"I Need T. S. F."

Lice have probably cost the poultryman more money than any other poultry ailment. Wherever present, their effect is seen in stunting the growth, injuring the health, and reducing the egg production of the whole flock.

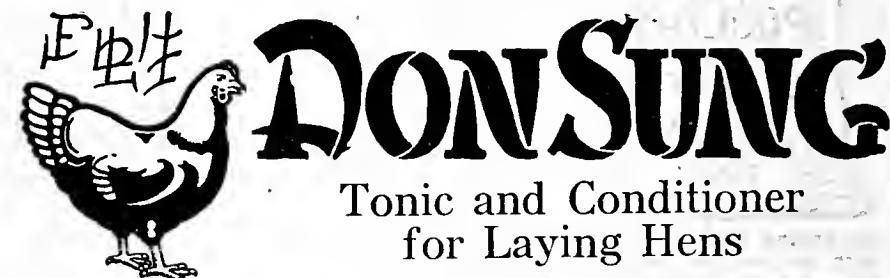
After years of study and after numerous tests, they report it the most effective, positive way to get rid of poultry lice. They say it kills all lice—both old and young—including the lice that hatch from eggs present on the fowl at the time of treatment.

For positive results be sure to get the genuine Talcimized Sodium Fluoride (call it T. S. F.), put up by the Burrell-Dugger Co. It is specially processed and prepared especially for poultry use, and is in a convenient, shaker-top package, bearing the U. S. Government's instructions for applying. One small package will treat about 40 chickens.

Price, small size 35c, postpaid 40c; large size (twice as much) 60c, postpaid .70c.

THESE REMEDIES ARE SCIENTIFICALLY MADE IN THE LABORATORIES OF THE BURRELL-DUGGER CO.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



DON SUNG

Tonic and Conditioner
for Laying Hens

Don Sung is a concentrated medicine—no bulk or filler—ready to add to the mash-feed. It has a direct tonic action and doesn't force or hurt the hen in any way. It does its wonderful work by putting the hen in good health, and helping maintain that health.

Costs Nothing to Try

Every poultry raiser is invited to try Don Sung—at our risk. Separate 15 hens and give them Don Sung for one month. The 50c Trial Size handles this test. If Don Sung pays you, keep on with it. If you don't think it has paid you, tell us, and back comes your money. No argument to it. Don Sung is guaranteed—try it, at our risk.

Prices of Don Sung Tablets: Small guaranteed size 50c; large size (3 times 50c size) \$1.00; special size (6 times \$1.00 size) \$5.00. Powdered Don Sung, 3-lb. size \$5.00. All parcel post paid.



Group-Over

(Formerly called Roup-Over)

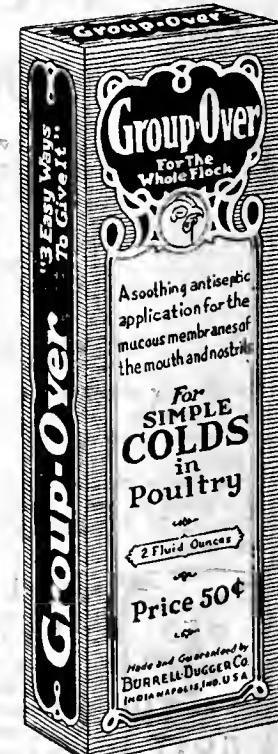
A New, Prompt,
Positive Guaranteed Treatment
for
COLDS IN POULTRY

Keep Group-Over Handy—
Ready to Use.

Keep a bottle of Group-Over on hand, and at the first symptom of a cold in your flock, start giving it to every affected bird. It clears the air-passages and brings relief with magic quickness. Group-Over is easily given. It comes in a liquid form and a few drops will do the work.

This famous remedy is positively guaranteed to give complete, prompt, and positive results, or your money will be refunded in full. There is nothing on the market like Group-Over for roup, colds, and canker.

Price 50c, postpaid 55c; large size \$1.00, postpaid \$1.10 (three times 50c size).



RUSSELL-HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

RUSSELL-HECKLE'S POULTRY REMEDIES

Avian Bacterin

Protects your flock against roup, colds, sore-head, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian Mixed Bacterin.

This wonderful preparation is administered by means of a hypodermic syringe. Complete directions with every package. 60-dose bottle \$1.50; 250-dose \$4.50. Syringe and needle \$1.50; postpaid.

Barnes' Worm Emulsion



Worms are more frequently present in the intestines of chickens than many would believe. This is particularly true of young chickens. Young chicks that have this EMULSION in their drinking water constantly show a remarkable growth and fine form.

Worm Emulsion can not poison poultry or lower animals in any dosage. Its function always is to build vitality.

Prices of Barnes' Worm Emulsion: 1 qt. 90c; by parcel post \$1.20; 1 gal. \$2.75; by express or freight only.

Bee Dee Poultry Powders

A poultry and stock medicine. Highly recommended for all stock and poultry troubles, hog cholera, etc. 25c a can; by parcel post 32c.



Just Paint it on the Roosts!

—Before the chickens perch. Only a small paint brush and a can of "Black Leaf 40" are needed. While chickens roost, fumes are slowly released and penetrate the feathers; killing lice. Eliminates individual handling of birds.

"Black Leaf 40" Kills Poultry Lice

Simply paint the roost perches; it works while they sleep. 1-oz. bottle 35c; 5-oz. bottle \$1.00; covers 65 running feet of roost. 1-lb. bottle \$2.50; 2-lb. tin \$3.75; 5-lb. tin \$7.00; 10-lb. can \$11.85; f. o. b. Memphis.

Chicklivia

Chicklivia is intended to keep chicks in a continuous healthy growing condition; able to digest rich, growing rations, safeguarding their digestion and assimilation and at the same time building up strong red blood, bone, muscle and tissue. Its purpose is to enable the chick to throw off the disease germs that cause White Diarrhea, Constipation, Colds, General Debility and other chick ailments that make the poultry business so uncertain and hazardous. 1-lb. box, enough to use in 200 pounds chick mash, 50c; by parcel post, 60c.



Catechu Compound

For Coccidiosis of poultry. This is commonly called going light in chickens. Catechu Compound will cure and control this trouble. It will also control all cases of Diarrhea. In addition keeps premises sanitary. Per lb. box 50c; by parcel post 60c.

Cholerine

An Iron Tonic for Poultry

Cholerine is a highly recommended preparation without an equal for building up the health and vitality of poultry; also for increasing egg production, reducing death loss and helping baby chicks along to maturity.

Highly effective in the treatment of Diarrhea and Cholera. A fine tonic for laying hens, as well as turkeys.

Postpaid:

8-oz. bottle.....	\$.40
16-oz. bottle.....	.75
Not Prepaid:	
8-oz. bottle.....	.30
16-oz. bottle.....	.60
1 qt.....	.85
1 gal.....	2.00



Conkey's Poultry Remedies



They are Guaranteed

Each Postpaid

Conkey's Balmo Canker Special....	\$.50	\$.60
Conkey's Limber Neck Remedy....	.40	.50
Conkey's Sodium F. Lice Powder—		
Lb. box .....	.25	.35
3-lb. box .....	.50	.65
Conkey's Poultry Tonic—3 1/4-lb. pkg.	.40	.55
Conkey's Old Reliable Roup Remedy—		
Small .....	.25	.30
Medium .....	.50	.60
Large	1.00	1.10
Conkey's Roup Pills—Small.....	.25	.30
Medium .....	.50	.60
Large	1.00	1.10
Conkey's Salvo Sorehead Remedy—		
Small .....	.25	.35
Large .....	.50	.60
Conkey's Diatex White Diarrhea—		
Small .....	.25	.30
Medium .....	.50	.60
Large	1.00	1.10

The following are not mailable:

Each	
Conkey's Noxicide—Quart	\$.75
Conkey's Noxicide—Gallon	2.00
Conkey's Mite Killer—Quart .....	.50
Conkey's Mite Killer—1/2-gallon .....	.90
Conkey's Mite Killer—1 Gallon	1.50

Crewood Oil

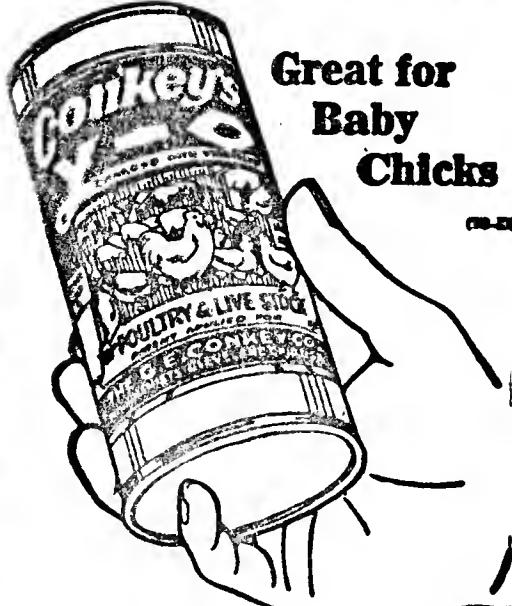
Paint or spray the poultry house with Crewood Oil. Insects, mites or lice cannot survive where it is.

Use Crewood Oil once a month on the perches and wooden parts in the poultry houses. It is a special distilled wood creosote that soaks into the wood and kills the germs and mites instantly.

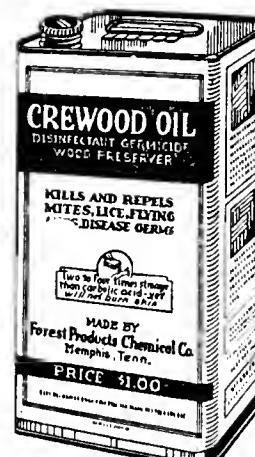
Apply with a sprayer or brush.

1-gal. can....	\$.90
2 1/2-gal. drum...	1.50
5-gal. drum...	2.50
10-gal. drum...	4.50

Yeast with Cod Liver Oil



Great for Baby Chicks



The Improved Form of Conkey's Y. O. Yeast With Cod Liver Oil

Is a concentrated dry powder. All ready for mixing with mash; 2% for grown fowls, 1% for chicks. Insures all the necessary vitamins to prevent breakdown of laying hens. Increases fertility of breeding stock. Improves number and quality of eggs. Makes better hatches and chicks that live. Also give it to baby chicks to prevent Leg Weakness. 1-lb. pkg. 50c; parcel post 60c. 2-lb. pkg. 90c; parcel post \$1.00. 5-lb. pkg. \$1.60; parcel post \$1.75. 25-lb. drum \$6.50; 50-lb. drum \$11.50; 100-lb. drum \$19.50; f. o. b. Memphis.

National Eezy Wear Garden Gloves

Per pair 75c; postpaid

These gloves are all leather, pliable, so one can work while wearing them. Fine for all garden work, cleaning, painting, etc., as they keep the hands clean. The unusual quality of extreme softness and pliability in this Eezy Wear All-Leather Glove is the result of a special processing of selected leather.

Price 75c per pair, postpaid. Give size wanted when ordering.

MEMPHIS, TENN.

Dicapho

Dicapho reduces the mortality among young chicks. It enables young chicks to get every ounce of food value from their feed, and develop rapidly into strong and profitable fowls. It will also give you more eggs, richer and harder-shelled eggs, eggs that will hatch better chicks. Price: 1 lb. 25c; 5 lbs. \$1.00; 25 lbs. \$4.00. Postpaid, 1 lb. 35c; 5 lbs. \$1.20.

E. Z. Y. Roup Chaser

These tablets are for Roup Colds and Bronchial affection in poultry and pigeons. Sold on an absolute guarantee. Per box about 100 tablets 50c; parcel post paid.

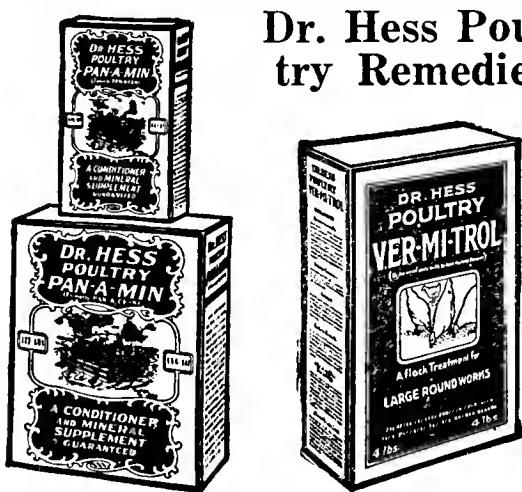
Fleischmann's Yeast

Especially prepared for poultry. Fleischmann's Pure Dry Yeast added to the feed for poultry gives baby chicks a good start, prevents in a large measure diarrhea and dysentery, which destroy such a big percentage of baby chicks every year. It makes young birds grow quickly, giving them increased vitality, also keeps egg production high without forcing the birds.

One tablespoonful daily for 50 chicks. Full directions given with every package. Fine for all livestock. 1-lb. can \$1.00; by parcel post \$1.10. 2½-lb. can \$2.00; by parcel post \$2.15.

Germo-Form

Cures roup, colds, bronchitis and other throat troubles in poultry by simply spraying it around and on the chickens while they are on the roost. The vapors do the work. It is absolutely guaranteed; if it fails, your money will be refunded. 8-oz. bottle 50c; by mail 60c.

Dr. Hess Poultry Remedies**Dr. Hess Poultry Ver-Mi-Trol****For Worms in Poultry**

When your fowls appear lame or have a wobbly gait; when the combs and wattles are pale, that's a good indication that they are infested with worms.

Worms are prevalent in both chicks and adult fowls, and VER-MI-TROL given with PAN-A-MIN as a flock treatment is highly effective as a worm expeller. 4 lb. pkg. \$1.25; by parcel post \$1.40. 10-lb. pkg. \$2.75; parcel post \$3.00.

Dr. Hess Poultry Pan-A-Min

has been known to poultry raisers for more than 30 years, as Dr. Hess Poultry Pan-a-ce-a. It is now a greatly improved product. PAN-A-MIN is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health. Postpaid, 3-lb. pkg. 65c; 7-lb. pkg. \$1.20; 15-lb. pkg. \$2.25; 25-lb. pkg. \$3.40. Not prepaid, 3-lb. pkg. 50c; 7-lb. pkg. \$1.00; 15-lb. pkg. \$2.00; 25-lb. pkg. \$3.00.

Each paid
Dr. Hess Roup Tablets—Box.....\$.50 \$.60
Dr. Hess Roup Tablets—Large box. 1.00 1.10

Dr. Hess White Diarrhea Tablets—

Can50 .60
Large can 1.00 1.10

Dr. Hess Healing Powder..... .25 .30

Dr. Hess Dip and Disinfectant—

12-oz. size40

Quart size, f. o. b. Memphis..... .75

GERMOZONE**Keeps Chickens Healthy**

GERMOZONE twice a week in the drink destroys disease germs taken in with the food or water—Keeps the crop pure and sweet—Corrects and prevents diarrhoeas and bowel troubles.

It's the best remedy also for Roup, Colds, Canker, Swelled Head and such disorders. The favorite for more than thirty years.

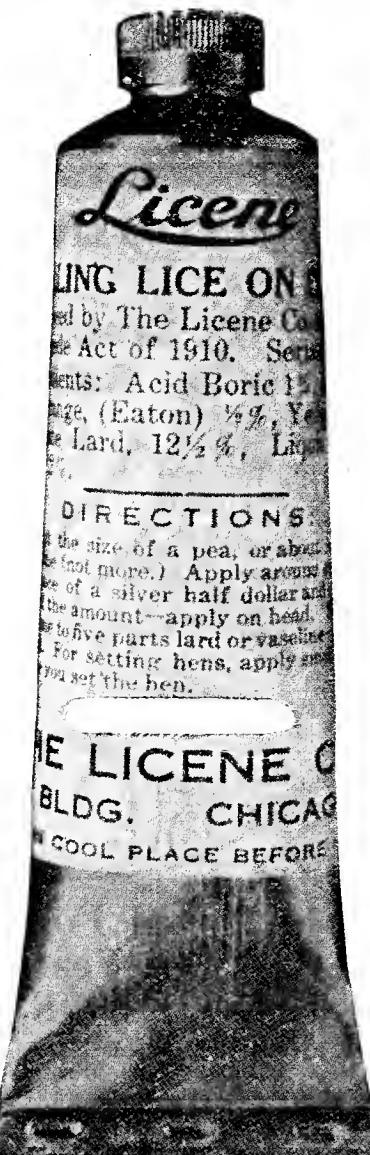
Lee's Germozone Liquid

Each. Postpaid

Lee's Germozone Liquid—		
4-oz. bottle.....	\$.40	\$.50
12-oz. bottle.....		.85
32-oz. bottle (not mail).....	1.50	..
Lee's Germozone Tablets—		
Small box	25	.30

K. O. M. Worm Cure

A sure cure for intestinal worms in poultry. Every bottle guaranteed to cure or your money will be refunded. Per bottle, enough to treat 1,000 hens. \$1.00; parcel post \$1.15.

**For Killing Body Lice on Chickens**

If Licene does not prove an effective remedy against chicken lice—you are the judge—we will refund your money, if notified within 30 days after purchase of same. Per tube, enough for 100 hens, 50c; by parcel post 60c.

Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Full directions sent with all orders. 1 bottle 25c; sent by express only.

Lee's Gizzard Capsules

More than 75% of all chickens are infested with intestinal worms, according to poultry authorities—worms which rob a fowl of its food, lower vitality, decrease egg production, retard growth—rob you of your poultry profits.

The GIZZARD CAPSULE will quickly rid your chickens of both tape worms and round worms. Five times as effective as worm remedies given in food or drink. Why? The GIZZARD CAPSULE is insoluble and carries the medicines intact to the gizzard where it is broken like a grain of corn, releasing the medicines into the worm-infested intestines in full strength and undiluted.

As easy to administer as giving a pill. Adult size for chickens 3 lbs. or more and turkeys 6 lbs. or more. Chick size for chicks 1 to 3 lbs. and turkeys 2 to 6 lbs. Don't feed worms. Stop this waste and increase your profits. Give GIZZARD CAPSULES now. Satisfaction guaranteed or money refunded.

A wonderful new discovery for worms in poultry. Eliminates both pinworms and tape-worms.

Poultry-size Gizzard Capsules: Box, 50 capsules \$1.00; 100 capsules \$1.75; 250 capsules \$4.00; 500 capsules \$7.00; 1,000 capsules \$12.00. Chick-size Gizzard Capsules: Box, 50 capsules 50c; 100 capsules 90c; 250 capsules \$2.00; 500 capsules \$3.50; 1,000 capsules \$6.00.

LeGear's Poultry Remedies

Each Postpaid

LeGear's Chick Diarrhea Tablets	\$.50	\$.60
LeGear's Head Lice Ointment .....	.25	.30
LeGear's Kamala Poultry Pills for tape worms	1.00	1.10
LeGear's Nicotine Poultry Worm Pills .....	.50	.60
LeGear's Poultry Prescription—		
Small (1½ lbs.) .....	.25	.35
Medium (3½ lbs.) .....	.50	.65
Large (8 lbs.)	1.00	1.20
25 lbs. for		3.50

RUSSELL-HECKLE

TOP NOTCH SEEDS

MEMPHIS, TENN.

SEED COMPANY

Nomoppin

Cures and prevents chicken sorehead. Given simply in the drinking water, avoiding individual treatment. Aids egg production. Guaranteed to give results. Small-size bottle 35c; large-size bottle 55c; not mailable.

**Oculum for Poultry**

Prevents and cures white diarrhea in baby chicks; a scientific remedy, and prevention of poultry diseases.

Each Postpaid
Small size.... .35 .45
Large size.... .65 .75

A
C-A
WORM
CAPSULES

Easy to Give



for

Chickens and Turkeys

ONE C-A CAPSULE KILLS BOTH LARGE ROUNDWORMS AND TAPEWORMS

A wonderful help to chicken and turkey raisers.

PRACTICALLY NO SET-BACK LOW COST

C-A Worm Capsules are made by Parke, Davis & Co., Detroit, Mich. Free bulletins sent on request.

**Parke-Davis
C. A. Worm Capsules**

For large round worms and tape worms in chickens and turkeys. When your birds are weak, emaciated and sluggish, or if the feathers are ruffled and the comb pale pink, that is a sure sign they have worms. In Parke-Davis C. A. Capsules you have a preparation that gets both tape and round worms without producing any ill effects on the birds, nor does it interfere to any great degree with the egg production. C. A. Capsules are easy to administer, safe and effective. Ask for booklet on them.

Price: C. A. Capsules No. 195, for young chicks or poult, pkg. 12 capsules 40c; pkg. 50 capsules 90c. No. 196, for adult birds and large turkeys, pkg. 12 capsules 50c; pkg. 50 capsules \$1.25. All parcel post paid.

Pratts**Pratt's Poultry Remedies**

	Each Postpaid	
Pratt's Lice Ointment.....	\$.20	\$.25
Pratt's Poultry Regulator—		
Small pkg.....	.25	.35
Medium pkg.....	.50	.60
12-lb. pkg.....	1.50	1.75
25-lb. pail.....	3.00	3.50
Pratt's Chick Tablets—		
Diarrhea—Small .....	.25	.30

Pratt's Poultry Regulator—

 Small pkg..... .25 .35

 Medium pkg..... .50 .60

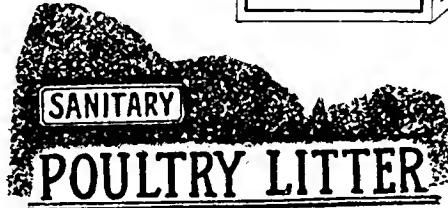
 12-lb. pkg..... 1.50 1.75

 25-lb. pail..... 3.00 3.50

Pratt's Chick Tablets—

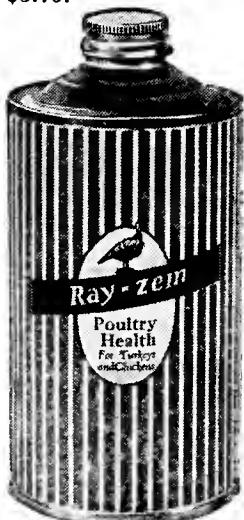
 Diarrhea—Small

 .25 .30



A perfect scratching material for baby chicks. It absorbs all the moisture from droppings.

Prices: Not prepaid, trial bale, containing 2 bushels (compressed), \$1.25; postpaid, \$1.65. Not prepaid, large 20-bushel bale (compressed) \$3.75.

**Ray-zem**

For the prevention of blackhead and roup in turkeys. Keep your turkeys healthy with Ray-zem. Should be given in drinking water, milk or mash every day. Good also for the older turkeys, as well as roup, cholera, coccidiosis and diarrhea in chickens. Ray-zem has saved thousands of turkeys.

Trial size..... \$1.00

Postpaid 1.10

Medium size.... 2.50

Postpaid 2.60

Large size..... 4.00

Postpaid 4.15

\$1,000 Guaranteed Remedies

We absolutely guarantee these preparations. If you don't get proper results after following directions, you can be the judge; your money will be refunded.

\$1,000.00 Guaranteed Roach Killer—35c, 65c, \$1.25 cans; by parcel post, 10c each size extra.

\$1,000.00 Guaranteed Ant Bane—35c, 65c cans; by parcel post, 10c each size extra.

\$1,000.00 Guaranteed Flea Killer—50c size; by parcel post, 10c extra.

\$1,000.00 Guaranteed Bed Bug Killer—35c, 65c sizes; by parcel post, 10c each size extra.

**Tobacco Powder**

Controls round worm in poultry. Easy to use and very inexpensive. Mix 2 pounds of this extra fine quality Tobacco Powder in 100 pounds of mash and feed 2 or 3 weeks. Alternate this treatment as necessary. Fine also for mixing in dust bath and let the poultry keep themselves free of insects.

2-lb. pkg.... \$.25

Postpaid. .40

Bulk, 10-lbs. 1.00

Postpaid. 1.30

**Walko White Diarrhea, Roup and Cholera Tablets**

Walko is a reliable germicide, intestinal antiseptic and general correctant. It is especially destructive to the white diarrhea germ, yet perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic. Sold in 50c and \$1.00 size boxes; by parcel post, 55c and \$1.10.

Zenoleum

A scientifically compounded preparation. Used for livestock and poultry to prevent lice and mites, as well as general use about the farm, barn and the house. Zenoleum dip and disinfectant.

8-oz. can \$.35

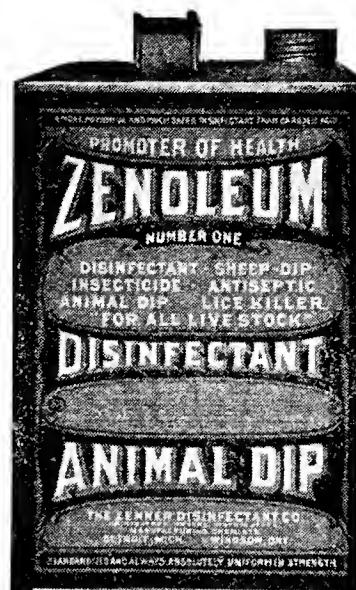
1-qt. can .75

2-qt. can 1.25

1-gal.... 2.00

5-gal.... 8.00

All prices on Zenoleum are f. o. b. Memphis. We cannot mail Zenoleum.



Nopco Cod Liver Oil increases egg production, eliminates soft-shelled eggs, helps to eliminate blood spots, improves hatchability, produces stronger chicks, builds bone, promotes growth, reduces mortality, gives a better moult, conditions and protects against disease. Chemically tested for purity, biologically tested for vitamins A and D. Vitamin potency of every drop of Nopco Oil proved by raising baby chicks up to eight weeks of age without trace of rickets, although kept in a room without windows, where sunlight never penetrates.

**NOPCO
Cod Liver Oil**

1-qt. can..... \$.60 1-gal. can..... \$2.25
2-qt. can..... 1.15 5-gal. can..... 9.50
F. O. B. Memphis.

Sulphur Fumigating Candles

A safe and effective fumigator. Moisture is given off with the gas, producing sulphuric acid gas, which is essential to thorough fumigation. Each 15c; parcel post 20c.

RUSSELL - HECKLE

TOP NOTCH SEEDS

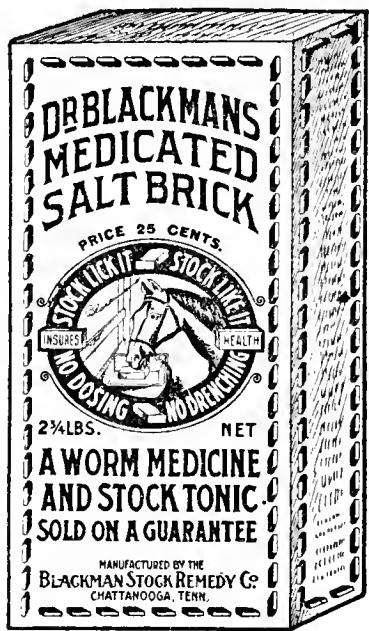
SEED COMPANY

MEMPHIS, TENN.

R.-H. Co.'s STOCK FOODS AND REMEDIES



B-K is a clear, colorless, non-poisonous germ killer used in dilution with water. B-K is absolutely harmless when used around poultry. Every dairyman should keep a bottle of B-K. Fine for sterilizing all dairy equipment, utensils, etc. 10-oz. bottle 50c; qt. bottle \$1.20; 1 gallon \$2.75. Cannot be mailed.



Brick shape, made of purest salt and medicine necessary for treatment of diseases for which it is intended. Per brick 25c; 5 bricks \$1.00. By parcel post, per brick 45c.

Health Paint

A white paint and a powerful disinfectant powder in a combined form. An effective aid in getting rid of lice and mites and other parasites. A pound makes enough to cover 100 square feet. Recommended for poultry houses, pigeon lofts, dog kennels, basements, etc. You can spray it, brush or dust it. 5-lb. carton 75c; 10-lb. carton \$1.25. By parcel post, 5-lb. carton 95c; 10-lb. carton \$1.55.

Fly-Tox

Kills flies, moths, mosquitoes, roaches, fleas, bedbugs, ants, etc. Is clean; has a fragrant odor and will not stain. Can be used safely in any home. Harmless to humans and animals. 1/2 pt. bottle 35c; pt. 50c, f. o. b. Memphis.

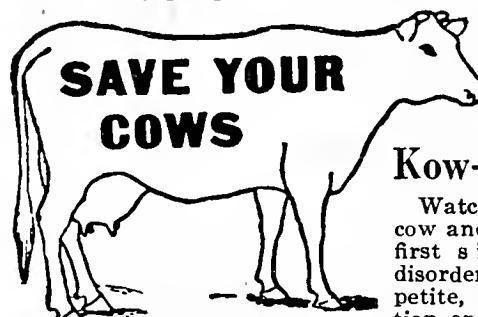
Knock Out Fly Spray

The easy and agreeable way to kill flies, mosquitoes, roaches and other household insects. Does not stain. Qt. 60c; gallon \$1.50; f. o. b. Memphis.



Gall-Vet

A reliable antiseptic healer for sores, galls, cuts or chafes from harness hobbles. Forms coating over sore, protecting it from wind, dirt and flies. Guaranteed satisfactory. 2-oz. bottles 25c; postpaid 30c.



milk, give a dose of KOW-KARE. It cures abortion, barrenness and scours, caked udder, removes retained afterbirth.

A medicine for cows only. Small size, 65c; by mail, 75c; large size, \$1.25; by mail, \$1.40.

Bag Balm

Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Per box 60c; by parcel post 70c.

Poke Root Garget Remedy

For that serious disorder peculiar to cows. Poke Root Garget Remedy is well known to dairymen. 1 1/4-lb. can 50c; by parcel post 60c.

Semi-Solid Buttermilk

Increases egg production. Keeps hens in the best of condition. Start your baby chicks on Semi-Solid Buttermilk as it will prevent coccidiosis and diarrhea. One gallon of Semi-Solid Buttermilk will make nine gallons of liquid. 1-gal. can 90c; 5-gal. drum \$3.00; keg, 140 lbs., \$6.00. By parcel post, 1-gal. can \$1.15.



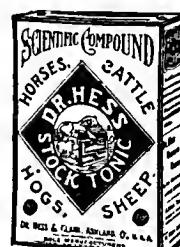
A Penetrating, Soothing Ointment. An effective aid in softening and relieving garget, caked udder, hard or sore teats and inflammation due to external causes. Helps prevent hard milkers when teats and quarters are massaged with U.H. 60c; parcel post 70c.

A Great Worm Destroyer, Digester and Conditioner



This is different from the Salvet formerly sent out. Buy your salt at home, save money, by using Salvet Medication, a highly concentrated hog and stock medicine that needs mixing only with salt. 3-lb. pkg. \$1.00; by mail \$1.15; 7 1/2-lb. pkg. \$2.00; by mail \$2.25.

Stock Powders



	Post paid
Dr. Hess Stock Tonic, 5 lbs.....	\$.75 \$.90
Dr. Hess Stock Tonic, 10 lbs.....	1.00 1.25
Dr. Hess Stock Tonic, 15 lbs.....	2.00 2.30
Dr. Hess Stock Tonic, 25 lbs.....	3.00 3.45
Le Gear's Stock Powder, 1 1/2 lbs..	.25 .40
Le Gear's Stock Powder, 8 lbs..	1.00 1.25
Le Gear's Stock Powder, 25 lbs..	3.00 3.45
Pratt's Animal Regulator, 25-lb. pail.....	3.00 3.45

O. K. Poultry Litter



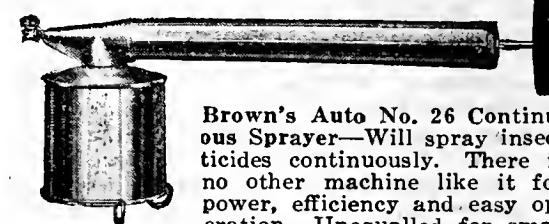
A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings.

Trial bales containing 2 bushels, compressed, \$1.25; postpaid \$1.60. Large bales containing 20 bushels, compressed, \$3.75; f. o. b. Memphis.

White Hydrated Lime

Everyone knows its value; the best deodorizer. Keeps down diseases, purifies the premises. Be careful and don't let the lime get into the eyes or on your hands. Price: 10-lb. pkg., postpaid, 55c; not prepaid, 30c; 40-lb. bag, 75c.

Continuous or Compressed Air Hand Sprayers



Brown's Auto No. 26 Continuous Sprayer—Will spray insecticides continuously. There is no other machine like it for power, efficiency and easy operation. Unequalled for small garden and house plant sprays. Handles all insecticides, fly and mosquito exterminators. Trouble-proof construction. Every part can be reached for quick and easy cleaning. Brown Auto No. 26A—1-quart tin sprayers. Each 85c; by parcel post, \$1.10.

RUSSELL-HECKLE

TOP NOTCH SEEDS

MEMPHIS, TENN.

SEED COMPANY

Poultry and Chick Leg Bands



LARGE RAISED FIGURES

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Doz., 15c; 25, 25c; 100, 5c; postpaid.



Perfection Celluloid Key Ring Leg Bands

These slip on like a key ring; cannot drop off; easily removed. Made of the various colors—white, pink, yellow, green, dark blue, light blue and red. Made in all sizes. When ordering, state what breed and color you want them.

Postpaid,

	Doz.	50	100
No. 1—Brahmas, etc.....	\$.15	\$.30	\$.50
No. 2—Barred Rocks, R. I. Reds, Minorcas.....	.15	.30	.50
No. 3—Leghorns and Anconas.....	.15	.30	.50
No. 4—Bantams.....	.15	.30	.50
No. 5—Pigeon size.....	.10	.25	.40
No. 6—Baby Chick size.....	.10	.25	.40

Reliable Colored Leg Band

In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. In four colors—blue, green, red and white. Packed in envelopes, numbered 1 to 12, 13 to 25, 26 to 50, 51 to 75, and 76 to 100. Will fit Barred Rocks, Rhode Island Reds, Minorcas, Anconas and Leghorns. Doz., 20c; 25, 35c; 100, \$1.25; postpaid.

"Bandettes"

The latest spring clip pattern. Made entirely of celluloid. Bandettes are strongly made, the numbers are indestructible, being impressed in bold type. Bandettes come in the following colors: Red, blue, green. Two sizes—Leghorns, and Rocks or Reds. With our selection of numbers from 1 to 100. 12 for 30c; 25 for 50c; 50 for 30c; 100 for \$1.50; postpaid.

Coloroid Coil Baby Chick Bands

This is a neat, attractive and very visible band, easy to apply; can be applied the day chicks are hatched, or later; can be used several times. Colors as follows: orange, black, white, dark green, red, blue. Not numbered. 25 for 20c; 50 for 35c; 100 for 60c.

Elite Colored Pigeon Bands



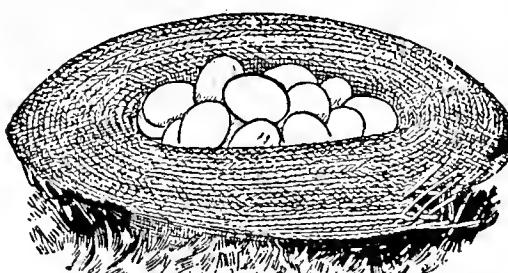
Made of a special grade of aluminum with colors plain, and has large numbers. Colors: green, red, blue and orange; numbered in pairs from 1 to 50. Packed in envelopes containing 6 pairs each. 6 pairs, 12 bands, 20c; 2 pairs, 35c; 24 pairs, 60c; postpaid.

Poultry Punches



These are made for marking baby chicks by punching a hole in the web between the toes. Pocket size Pettey Punch.....25c; postpaid Moe's No. 39 Ideal Punch.....35c; postpaid

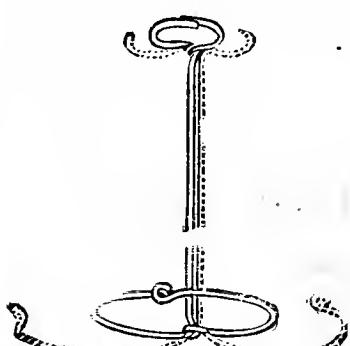
Nest Eggs



These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated Doz. 60c; parcel post 75c
Lime Eggs Doz. 25c; parcel post 35c
China or Opal Eggs. Doz. 30c; parcel post 40c

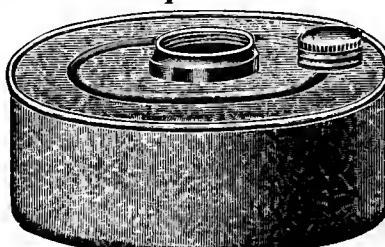
The No-Set Poultry Guard



Will not injure the hen in any way and effectively prevents her from setting.

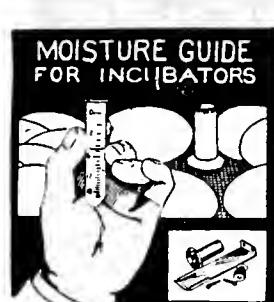
No. 290—No-Set Guard. Each 10c; by parcel post 15c.

Brooder and Incubator Lamp Bowls



	Each	Postpaid
No. 1 Bowls.....	\$.40	\$.50
No. 2 Bowls.....	.50	.60
No. 3 Bowls.....	.60	.75

The Patterson and Young Incubator Moisture Guide



A scientific and practical evaporation measure which tells accurately when to add moisture or give more ventilation in the incubator.

It is easy to read as a thermometer, there being a graduated scale on one side of the glass tube showing where the water line should be.

Directions with every Moisture Guide. Each \$1.00; postpaid.

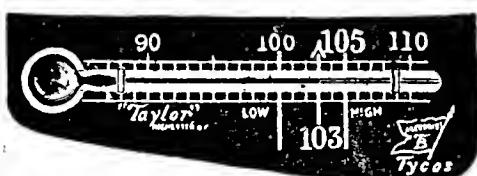
Brooder Lamp Chimneys

For Incubators and Brooders. Strong metal.
No. 1 Chimneys....Each 15c; by parcel post 25c
No. 2 Chimneys....Each 20c; by parcel post 30c
No. 3 Chimneys....Each 20c; by parcel post 30c

Brooder and Incubator Thermometers

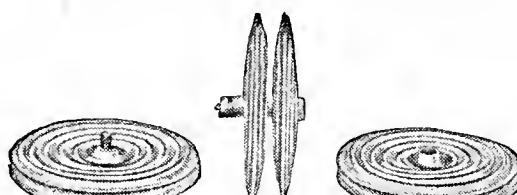


No. 5794 Brooder Thermometer
No. 5792—Half-round 8 in. Brooder.....\$.60
No. 5794—Flat 5 in. Brooder.....\$.50



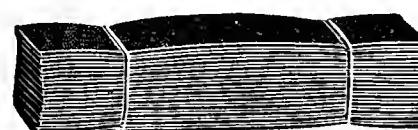
No. 5776—Tycos Inc. Thermometer..... .75
No. 5783—Tycos Inc. Certified..... 1.25
No. 5140—Tycos Weather Thermometer...
By parcel post add 10c each for postage.

Brooder Thermostats



Used for Oil Brooders, Coal Brooders and Incubators. State size when ordering.
3-inch Double Thermostat.....Each \$.50
4-inch Double Thermostat.....Each .75
By parcel post, 5c each extra.

Brooder and Incubator Wicks



	Each	5c
Nos. 1, 2 and 3—Cotton Wicks.....
Nos. 1, 2 and 3—Red Felt Wicks.....
Asbestos Wicks, small.....
Asbestos Wicks, large.....
Kerogas Wicks, small.....
Kerogas Wicks, large.....
Putnam Brooder Wicks.....
Putnam Stove Wicks.....

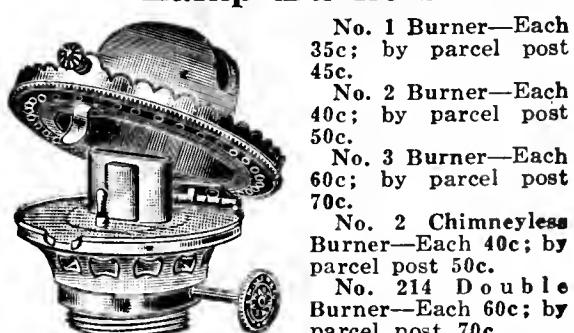
Above prices are postpaid.

Dandy Egg Tester

This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate interior of egg.
Each 20c; by parcel post 30c.

Brooder and Incubator Lamp Burners

	Each	
No. 1 Burner—	35c;	by parcel post 45c.
No. 2 Burner—	40c;	by parcel post 50c.
No. 3 Burner—	60c;	by parcel post 70c.
No. 2 Chimneyless Burner—	40c;	by parcel post 50c.
No. 214 Double Burner—	60c;	by parcel post 70c.



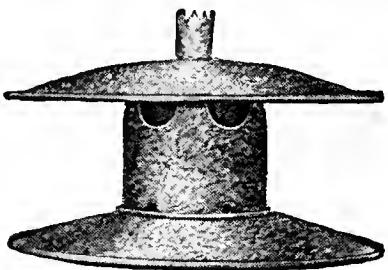
RUSSELL - HECKLE

TOP NOTCH SEEDS

MEMPHIS, TENN.

SEED COMPANY

Putnam Brooder Heater



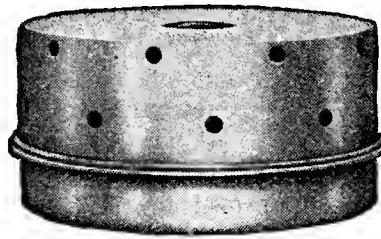
This is the Brooder Heater used in the Putnam Home Made Brooder. Requires filling but once a week, and no further attention in the meantime. Every other brooder must be filled and trimmed seven times a week; the Putnam but once.

There is no brooder on the market at any price that equals the Putnam Home Made Brooder in ease, simplicity and economy of operation; none which uses so little oil per chick. This brooder consumes less than a gallon of oil a month.

Price: Brooder Heater only.....\$4.50
No box furnished.

By parcel post.....4.75

The Little Putnam Stove



Keeps drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove. Directions furnished to all customers. Galvanized. Price \$1.95; by parcel post \$2.20. Wicks for Putnam Stove, 2 for 5c.



Glass Cloth

Glass Cloth is excellent for Poultry Houses, Brooder Houses, Hotbeds, Cold Frames, Windows, Doors, etc., and is a perfect substitute for glass, except for roofing. All Glass Cloth comes 3 feet wide.

Prices

One piece 5 yards long.....	\$ 1.60
By parcel post.....	1.80
One piece 10 yards long.....	2.80
By parcel post.....	3.00
One piece 15 yards long.....	4.00
By parcel post.....	4.30
One piece 50 yards long.....	12.50
F. O. B. Memphis.	
One roll 100 yards long.....	22.50
F. O. B. Memphis.	

Philadelphia Caponizing Set



Complete set of directions accompanies each set. Pays for itself in a short while. Instruments mailed from factory. Per set \$3.00, postpaid.

Draft Equalizer for Brooder Stoves

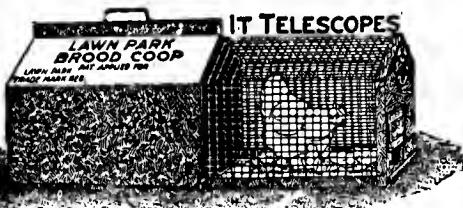
Prevents the wind from blowing smoke back down the chimney and choking the fire. A necessity for every brooder stove.

No. H-144 for 4-inch pipe.....\$1.00
By parcel post.....1.25

Pipe Collars

No. 117—Pipe Collars. Sizes 6 x 3, 6 x 4, 6 x 5. All same price, each.....10c

The Lawn Park Brood Coop



The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Size of coop, 18 inches wide, 19½ inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Can be moved from place to place easily. The coop has removable galvanized bottom. Each \$3.00, set up, ready to use. Knocked down, in lots of six, \$2.75 each, f. o. b. Memphis.

Baby Chick Shipping Boxes

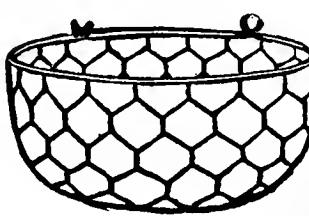


Made from corrugated paper with strong bottom and ventilated top. Strong, yet light in weight.

25-chick sizeDoz. \$.75; mailed \$.95
50-chick sizeDoz. \$1.00; mailed \$1.20
100-chick sizeDoz. \$1.40; not mailable
Chick Box Staples—25c per 100; postpaid, 35c per 100.

Chick Boxes sold in bundles of 1 doz. each only.

Wire Hen's Nests



Made of copper steel wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks.

14-inch nest, each 25c; 6 for \$1.40; by parcel post, each 35c.

Moe's Pigeon Nests



Durable and light; galvanized iron; also are best for sanitary purposes.

Each 15c; 6 for 90c; by parcel post, 5c each extra.

Stoneware Pigeon Nest

Made so the birds cannot tip over. A good, safe nest. Size 9½ inches. Each 25c; by parcel post 40c.

QUALITY BABY CHICKS

From the Sterling Hatchery
They are from carefully selected and mated flocks. You won't get chicks from pullet eggs when you buy Sterling chicks.

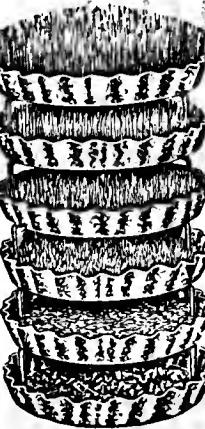
Remember, it's in the proper mating. If you have been stung, try a shipment of our chicks and you will see the difference when you open the box.

For prices on Sterling Baby Chicks, see inside front cover.

Eyrie Shipping Coops

Ends and sides heavy corrugated cardboard. Top and bottom wood.

Parcel Express Post
No. C—4-bird size, each.....\$.80 \$1.00
No. D—5-bird size, each..... .90

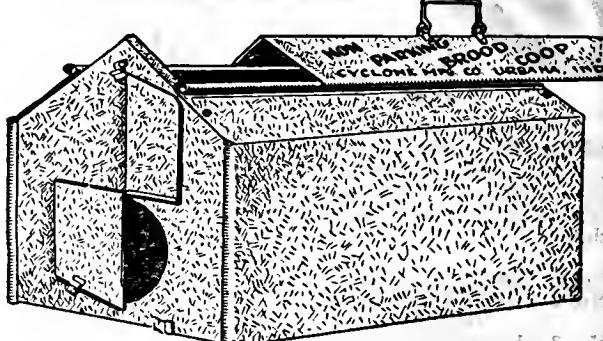


Hudson No. 6 Oat Sprouter

Has six round-shaped heavy galvanized iron pans. The frame is strong and well made. Will last many years. No heat or lamp is needed. Place sprouter near a furnace, soak oats 10 to 12 hours, place in pans 1 in. deep; sprinkle and stir every 24 hours.

Price: Hudson No. 6 Oat Sprouter \$2.00 f. o. b. Memphis.

Non-Parking Brood Coop



Here is the most practical coop, without a park, made. It has a new style sliding top through which it is very easy to tend the hen, gather the eggs, or clean the coop. It is equipped with Overhead Damper Ventilation System, which provides fresh air at all times. The measurements are 19 inches high, 17 inches long, and 20½ inches wide. Shipped knocked down, and can be set up in two or three minutes.

No. 40—Packed 1 to carton.....Each \$1.50
No. 40—in lots of 6.....Each 1.40

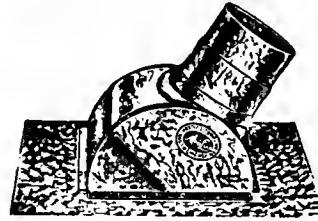
Smoke Pipe for Brooders

No. 114—Black Smoke Pipe, 2-foot lengths.



3-in. each 20c
4-in. each 25c
5-in. each 30c

Roof Saddles for Brooder Pipe



Made of galvanized iron and adjustable to any required degree from an almost flat roof to one-half pitch. Size of flat roof flange, 14-inch by 18-

inch, and made in two sizes, for 4-inch and 5-inch brooder pipes.

Moe's No. 440—4-inch Roof Saddle, without cap.....\$1.50
Moe's No. 441—5-inch Roof Saddle, without cap.....1.65

Smoke Pipe Top Cap

Chimney Cap for Moe's No. 440 Roof Saddle or other Brooder Stove Pipes. Keeps out rain and snow and improves the draft. Easy to install; no tools or bolts required. In two sizes.

No. 444—Chimney Cap for 4-in. pipe, each .45c
No. 445—Chimney Cap for 5-in. pipe, each .50c



No. 115—Black Corrugated Elbows.

3-inch, each\$.20
4-inch, each25
5-inch, each30

Corrugated Elbows

Cardboard Egg Cartons

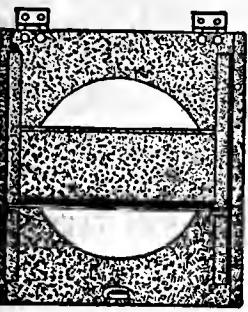


These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.

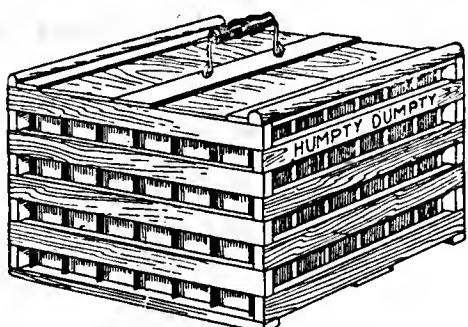
Doz. 20c; 100, \$1.40; per bundle 250, \$3.00; 1,000, \$11.50; by parcel post, doz. 30c; 100, \$1.65.

Oakes' Trap Nest Front

The trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. Each 25c; by parcel post, 40c.

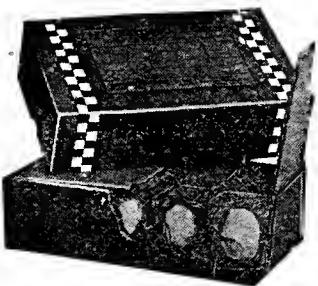


Humpty Dumpty Egg Carrier



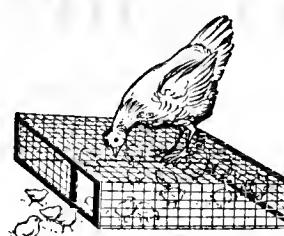
Strong and durable. No tools to set them up. Can be used over and over. A fine egg carrier for either parcel post or express shipments. Price, 6 dozen size, 60c; by parcel post, 75c. Price, 12 dozen size, 75c; by parcel post, 95c.

Hatching-Egg Boxes



Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, especially designed for transporting valuable eggs for hatching. No. 3—15-egg size. Each 20c; dozen \$2.00; by parcel post, each 25c; dozen \$2.30.

Baby Chick Feeder No. 30



This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops.

Each \$1.25; by express only.

Droppings-Board Scraper



The blade is 18 inches long and has a keen scraping edge, constructed to hug droppings board and remove all dirt. Can be pulled toward you or shoved away from the operator. A most useful tool in the hen house.

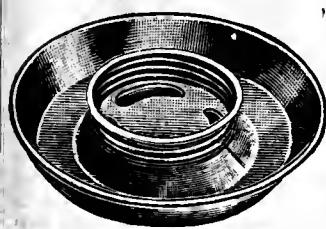
No. 995—Improved Dropings-Board Scraper. Each \$1.00.

Parcel Post Egg Boxes

Price: 48-egg size box, each 20c; by parcel post 30c; 60-egg size box, each 25c; by parcel post 40c.

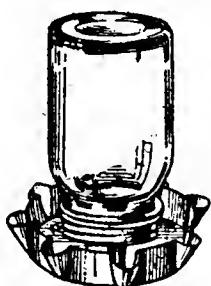
RUSSELL-HECKLE'S CHICK FOUNTAINS

Moe's No. 142 Chick Fountain



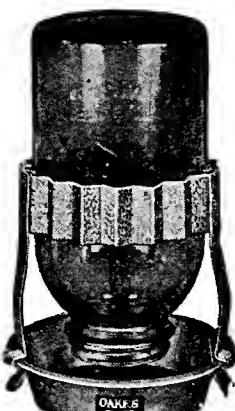
Moe's No. 142 Round Mason Jar Fountain is made of heavy tin plate, a rust-resisting metal, and the finest fountain of its kind on the market. Made in one size and fits any size and fits any Mason jar in sizes 1 pint, 1 quart and 2 quarts. (We do not furnish the glass jar.) Each 10c; by parcel post, 20c.

Oakes' No. E-68 Fountain and Feeder



A galvanized pan made to hold any Mason fruit jar. Can be used either for feed or water. Easy to fill; not necessary to unscrew the jar. We do not furnish jars. Price, each 10c; 3 for 25c; by parcel post, each 20c; 3 for 35c.

Oakes' Aluminum Pan Chick Fountain

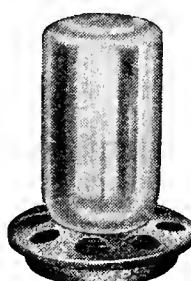


Ideal for buttermilk, sweet milk, as well as for water. Fits any Mason jar; the pan is made of bright tin that acids will not effect. Jar can be adjusted up and down. We do not furnish jars.

No. H70A—1 qt., with pan, each 35c. By parcel post, 10c each extra.

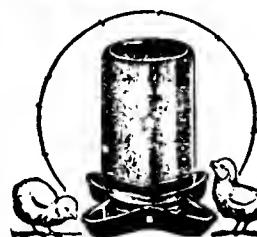
No. H70B—2 qts., with pan, each 35c. By parcel post, 45c.

R.-H. Co.'s Mason Jar Feeder and Fountain



Very convenient, as the upper pan once screwed onto the jar is left there. Entirely sanitary because the lower pan is free from any dirt-catching attachments. Chicks do not get wet using this fountain. Diameter, 6 in., with 8 round holes. Galvanized. Each 15c; 2 for 25c; postpaid, 20c each; 2 for 35c.

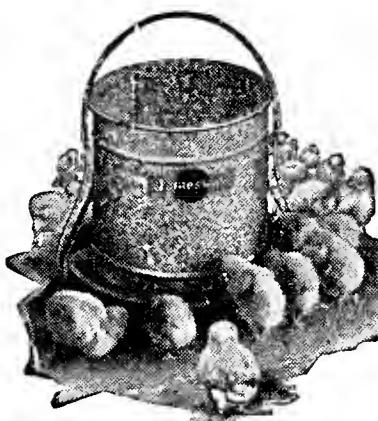
Moe's Star Fountain



No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar.

Price of holder, without jar: No. 32, galvanized, each 10c; 3 for 25c; by parcel post, each 20c; 3 for 35c.

Jamesway Six Quart Chick Waterer



This is the waterer which has been such a success with poultry raisers. It is a vacuum type. Cannot leak or flood the floor. It is easily filled and cleaned—can't tip over. Chicks can't get drowned. Only two parts—a pail and a heavy pan. Can be carried by bail without spilling when

pan is on or off. Holds 6 quarts. Weighs 4½ pounds.

Price: No. 507 Jamesway Chick Waterer, \$1.15; by parcel post, \$1.40.

Moe's Two-Piece Chick Fountain



Consists of a cone-shaped can and a stamped pan, which forms trough from which fowls drink. Both parts made of galvanized sheet steel.

No. 20—Capacity 2 qts., each 30c; postpaid, 40c.

No. 24—Capacity 4 qts., each 45c; postpaid, 55c.

Moe's Gem Chick Fountain



Easy to fill and clean; a good, serviceable fountain for chicks or growing fowls. The fluted pan keeps chicks from getting wet.

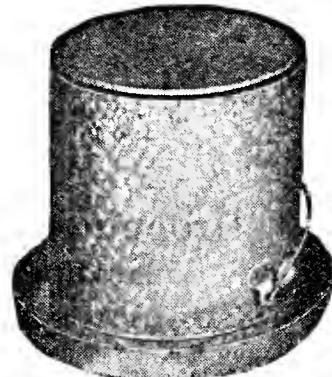
No. 158—1 gal. size, ea...60c

No. 159—2 gal. size, ea...75c

By mail, 20c each extra.

RUSSELL-HECKLE'S POULTRY FOUNTAINS

Moe's New Top Fill Fountain



Made with round drinking pan, which is preferred by many, and the outside cover has a wire handle so that it can be used to carry water when filling the inside tank. Easy to clean.

Made of heavy galvanized iron, with double walls, which keeps the water cool in summer, and retards freezing in winter.

No. 33—2-gal. capacity. Each \$2.00; by parcel post \$2.25.

No. 34—4-gal. capacity. Each \$2.50; by parcel post \$2.85.

Moe's Square Top Fill Fountain



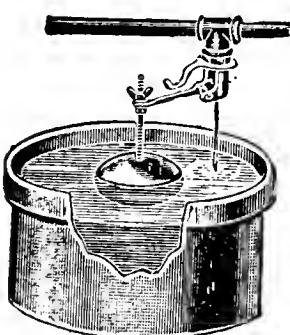
Double wall. Fills from the top, thus avoiding the annoyance of spilling over while being filled. Can be hung up out of the litter, and the square pan gives drinking facilities for two pens at the same time.

No. 1—1-gal. capacity. Each \$1.25; by parcel post \$1.50.

No. 2—2-gal. capacity. Each \$2.00; by parcel post \$2.35.

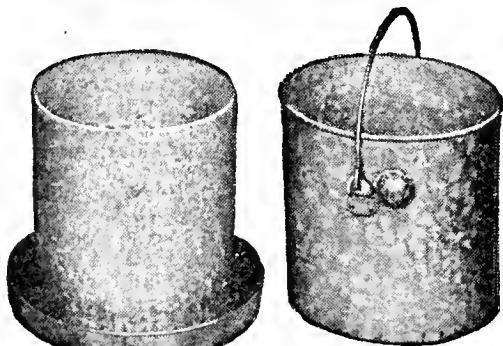
No. 4—4-gal. capacity. Each \$2.50; by parcel post \$2.90.

Moe's Automatic Fountain



Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water. The automatic valve and float is entirely of brass, nickel finish. Price, complete with pan, \$1.50; by parcel post \$1.70. Without pan, \$1.00; by parcel post \$1.10.

Oakes' E-Z-Fill Double-Wall Fountains

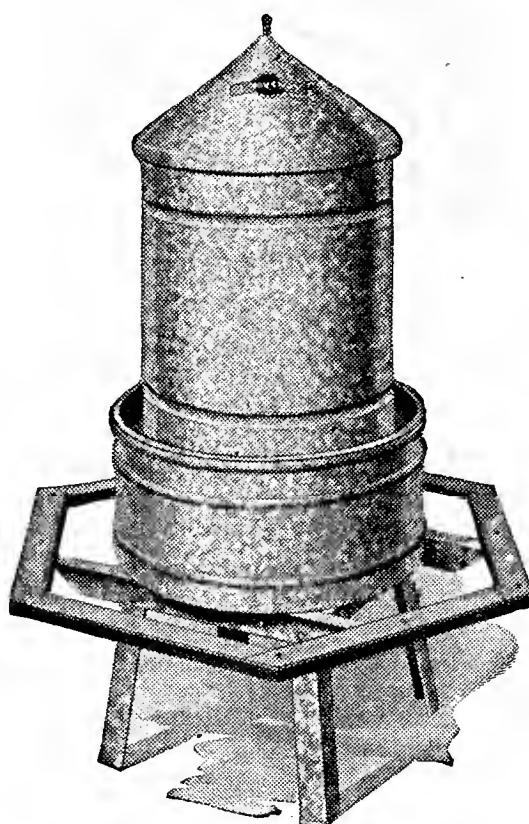


A new, inexpensive double-walled fountain with heavy bail for carrying the outer can. Can be used for baby chicks or hens. The new style has a cone-shaped roost-proof top. Drinking space all around fountain. Bail held out of water as shown. Easy to fill and clean. No corks or valves. Made in two sizes.

L-31A—3-gallon size. Each \$2.20.

L-32A—5-gallon size. Each \$2.70.

Jamesway Cleanable Fountains

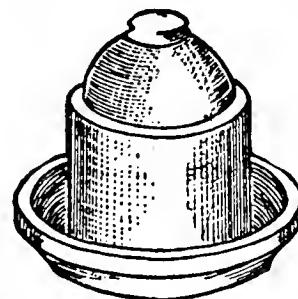


These big flock size 8 gallon waterers provide water for 150 hens a whole day without refilling; 15 to 20 hens can drink at one time. Built of heavy rust-resisting sheet steel, wide, deep pan; keeps floor dry.

A copper float opens and closes a non-rust brass valve; holds water at right level. Prices as follows:

No. 516-A—8-gallon waterer only.....	\$4.00
No. 513-C—8-gallon waterer with base....	5.00
No. 513-C—Waterer base and stand.....	6.50
No. 512-D—Lamp heated stand extra.....	6.75
No. 585—Stand only, worth its cost.....	1.50

Stoneware Jug-Shaped Fountain



It is made in two parts, the saucer being separated from the upper portion, so it can be easily cleaned. These stoneware fountains are the best to have when using any medicine, such as White Diarrhea or Cholera remedies.

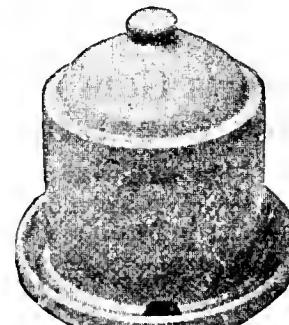
1 qt.....	35c
2 qts.....	45c
4 qts.....	75c

Extra Saucers

For 1-qt. Fountain.....	10c
For 2-qt. Fountain.....	15c
For 4-qt. Fountain.....	20c

Not mailable.

Stoneware Buttermilk Fountain



This is the strongest and best constructed Earthen Buttermilk Feeder or waterer on the market. The saucer and top container are highly glazed inside and out of high grade earthenware.

1/2-gal. size.....	45c
1-gal. size.....	75c

Extra Saucers

For 1/2-gal. Fountain.....	15c
For 1-gal. Fountain.....	20c

Not mailable.

Oakes' Leader Fountain



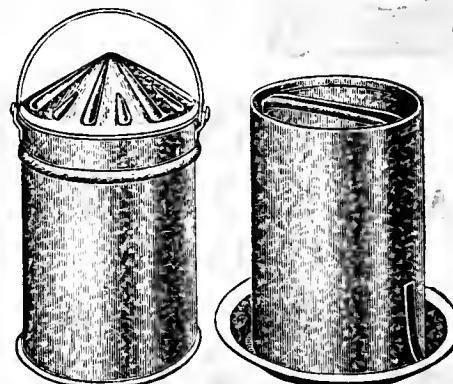
For hens and growing chicks; also baby chicks. Provides adequate water supply without crowding. The pan is properly shaped to prevent chicks getting into the trough, but it is deep enough for use of hens. It is made of heavy gauge steel, a durable and strong outfit that will last for years if taken care of.

L-102—2-gallon Leader Fountain.....\$1.15

L-103—3-gallon Leader Fountain.....1.45

By mail, 25c each extra.

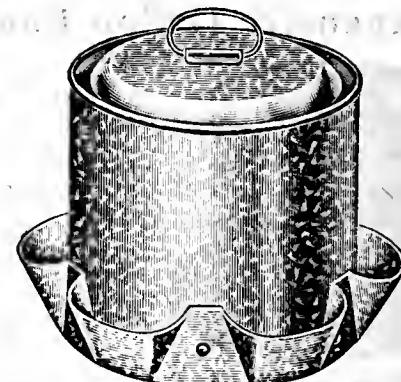
Acorn Spring Valve Double-Wall Fountain



An ideal fountain either for hens or growing chicks. The drinking pan has extra wide lip which catches drippings from the wattles of hens. Double wall construction. The top is conical; keeps poultry from getting on top of the can. It is easy to fill and to clean. Made of extra heavy galvanized steel.

L-64—4-gallon size, each \$2.90; by mail \$3.25.

Oakes' Snap-On Chick Fountain



The scalloped pan has six drinking spaces, each large enough for two chicks to drink at once. Can fits snugly into pan and is held in place by friction. After filling, the can may be carried by the handle. The top is flat, so that can is easily filled when inverted. Made of heavy galvanized steel.

L-100-B—1-gallon size.....Each 65c

L-100-C—2-gallon size.....Each 90c

By mail, 20c extra.



Moe's Drinking Coop Cup

Used for mating or exhibition coops. Each 15c; 12 \$1.50; parcel post, each 20c.

RUSSELL-HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

RUSSELL-HECKLE'S CHICK FEEDERS

Moe's Double Trough Feeder



Has two sides; otherwise identical with the single trough.

No. 58—12 inches long. Each 25c; by parcel post 35c.

No. 59—18 inches long. Each 35c; by parcel post 50c.

No. 60—24 inches long. Each 45c; by parcel post 60c.

No. 76—36 inches long. Each 65c; by parcel post 85c.

Moe's Single Trough Feeder



Just the thing for feeding baby chicks; has sliding top, easily cleaned.

No. 56—18 inches long. Each 35c; by parcel post 50c.

No. 57—24 inches long. Each 40c; by parcel post 55c.

Jamesway Sure Feed Chick Feeder

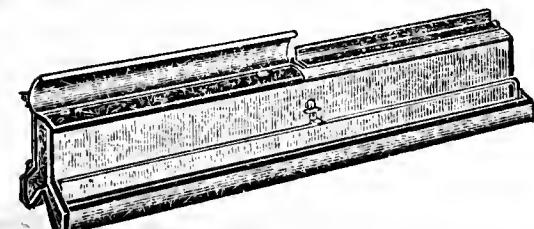


For small flocks; holds 4 quarts of dry mash and will feed 25 to 30 chicks one week with one filling.

The feed trough is adjustable in height. This can be used as the chicks grow with the assurance that the mash will always work down into the feed trough.

No. 535—Sure Feed Chick Feeder, each 60c. Postpaid, 85c.

Oakes' Wire Guard Chick Feeder



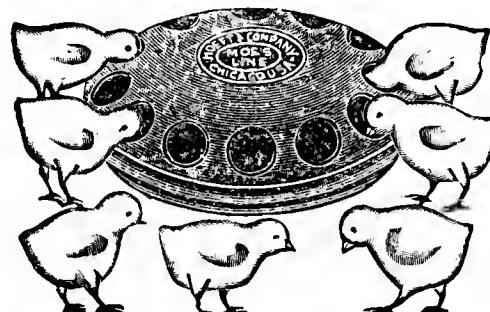
This feeder will accommodate a large number of chicks at one time. The open trough principle is the good feature in this feeder. The wire guard is adjustable for baby and growing chicks; also pullets. This prevents any waste of feed. The hinged lid makes it easy to fill and clean; the tilting device prevents birds from roosting on top. The bottom is V shaped, thus putting feed to the center. The wire rod extends the full length of this trough. A strong, well-built feeder that will give real satisfaction for all size chicks, including pullets.

No. 621—21 in. long, capacity 11 qts....\$1.15

No. 635—35 in. long, capacity 18 qts.... 1.70

By mail, 30c each extra.

Moe's Round Baby Chick Feeder

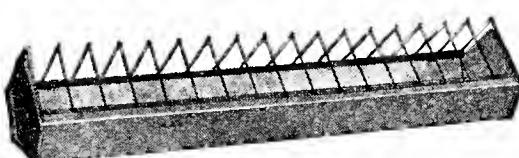


A very convenient feeder. Can also be used for water. Two sizes, No. 11, 6 inches with 6 holes, and No. 12, 8 1/4 inches with 12 holes.

No. 11—Galvanized. Each 10c; by parcel post, 20c.

No. 12—Galvanized. Each 20c; by parcel post 30c.

Jamesway Chick Feed Trough

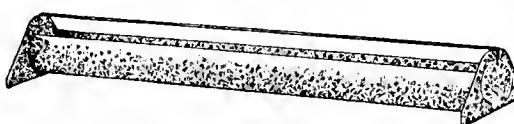


This feed trough keeps chicks out of the feed. Spacing between wire guards can be adjusted from seven-eighths to one and three-quarters inches. This trough is useful not only for feeding young chicks but older ones as well. Made of galvanized heavy sheet metal, 44 inches long, 6 1/2 inches wide.

No. 600C—Chick Feed Trough, each \$1.90.

No. 601—Trough has a wire grid or guard to prevent waste of feed. Each \$2.20.

Oakes' Round Bottom Chick Troughs



An inexpensive chick trough. Made of galvanized iron with cross wire welded on, making it sturdy and strong. The wire prevents chicks getting into the feed.

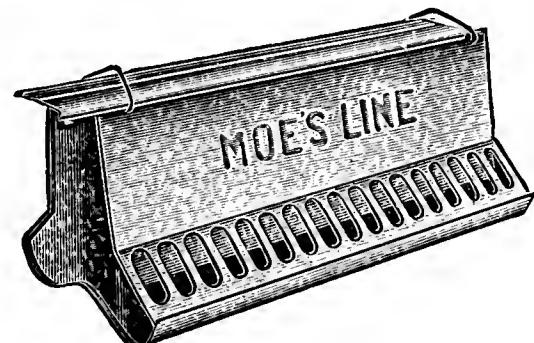
No. L51A24—24 inches long. Each 35c; postpaid, 50c.

Oakes' Square Bottom Chick Trough



A very popular type of trough; has a revolving guard, mounted on the ends, so that it tips birds off. The turned edges prevent feed waste, and the guard is adjustable up and down to permit using trough for different size chicks. Size, 1 1/2 inches deep, 3 5/8 inches wide, 30 inches long. Each 45c; by mail 60c.

Moe's Growing Chick Feeder



A feeder for growing chicks. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. Has a sliding cover, easy to fill and clean.

No. 140—10 qts. Each \$1.00; by parcel post \$1.40.

No. 141—Capacity 17 qts. Has 27 openings on each side, so 54 chicks can feed at one time. Each \$1.50; not mailable.

Moe's Peerless Growing Chick Feeders



For chicks and growing fowls. Large capacity. The hopper is adjustable up and down for different kinds of mash and feed. Thirty chicks can feed at one time. Made in two sizes.

No. 192—Peerless Feeder, height 9 1/2 in., capacity 10 qts. Each \$1.25.

No. 193—Peerless Feeder, height 12 in., capacity 18 qts. Each \$1.60.

By express or freight only.

Oakes' Chick Grit and Shell Boxes



Chicks should have grit, oyster shell and charcoal, and for this purpose Oakes' Chick Grit and Shell Box is indispensable. Made with three compartments.

No. H73—Chick size. Each 90c; parcel post \$1.05.

Moe's No. 463 Swing Top Chick Feeder



The tilting or swinging top prevents chicks from getting in to feed, and is adjustable for both baby chicks and growing chicks. Can be raised up or down. Made of heavy galvanized iron throughout. Height of pan 2 1/4 inches; width 4 1/4 inches; made in two lengths.

No. 463—36 inches long.....Each 65c

No. 464—48 inches long.....Each 90c

By mail, 30c each extra.

RUSSELL - HECKLE

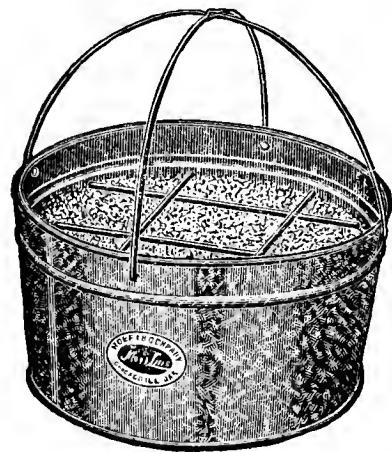
TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

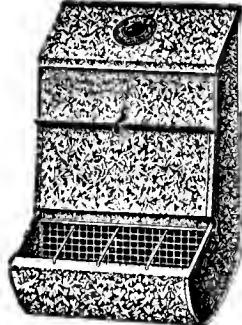
RUSSELL-HECKLE'S POULTRY HOPPERS

Moe's Round Mash Hopper



Capacity of 8 quarts. Has wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales prevent the chickens from getting in the hopper. Each 50c; by parcel post 65c.

Moe's Never-Clog Mash Hopper



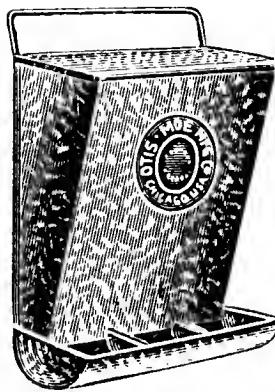
Does not clog, no matter how coarse the mash.

No. 35—10-qt. capacity, \$1.50; by parcel post \$1.80.

No. 36—14-qt. capacity, \$1.70; by parcel post \$2.05.

No. 13—22-qt. capacity, \$2.00; by parcel post \$2.40.

Moe's Grit and Shell Box

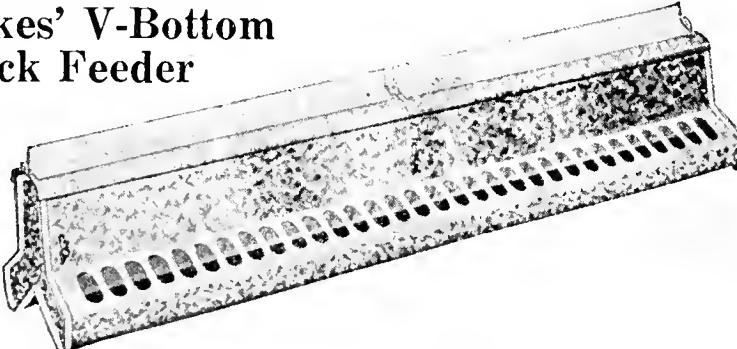


Feeds grit, oyster shell and charcoal without waste.

No. 45—Two compartments, chick size. Each 40c; by parcel post 50c.

No. 9—Three compartments, hen size. Each 70c; by parcel post 90c.

Oakes' V-Bottom Chick Feeder



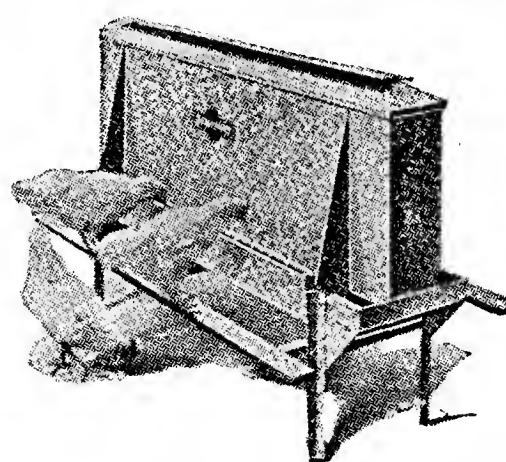
Adjustable feed control; feeds on both sides. The V-shaped bottom throws the feed forward, where the chicks can reach it. The lid is hinged and split in the center for convenience in filling. Adjustable feed slide permits feeding fine or coarse feed. Tippler on lid prevents chicks from roosting. Large feed capacity; made in two convenient sizes.

No. L521—21 inches long. Capacity 11 quarts.....Each \$1.25

No. L535—35 inches long. Capacity 16 quarts.....Each 1.90

By mail, 30c each extra.

Jamesway Self Feeder

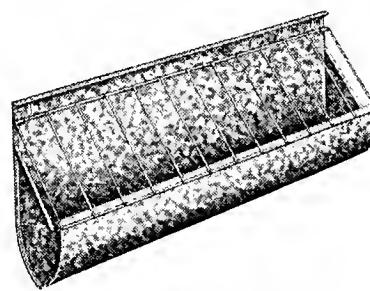


The Patented Jamesway Self Feeder is really five big capacity feeders in one. The big middle compartment holds a week's supply of egg-laying mash. The small bins at each end hold enough grit, shell, charcoal and beef scraps to last several weeks.

No. 527—Holds 50 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 65 lbs. grit, 15 lbs. oyster shell. Self feeds 75 to 100 hens for one week with one filling. Each \$9.50.

No. 528—Holds 100 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 15 lbs. grit, 15 lbs. oyster shell. Self feeds 160 to 200 hens one week with one filling. Each \$14.00.

Wall Mash Feeder



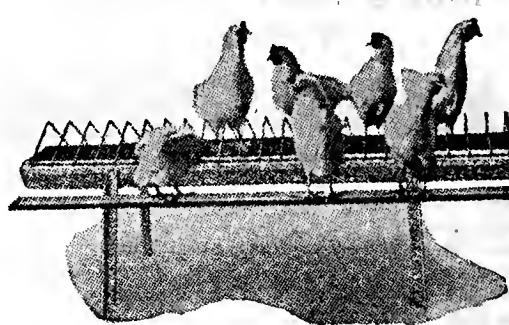
Wall Mash Feeder

Won't waste feed; can be kept out of the way and will always be sanitary if left hanging on the wall. The wire guard prevents any throwing out of the mash or grain. The guard is attached in such a way so the trough can be easily cleaned. Size, 6 inches wide, 6 inches deep, 30 inches long; capacity 16 lbs. Price: No. L26 Wall Mash Feeder, \$1.90. By parcel post, \$2.35.

National Eezy Wear Garden Gloves

One pair free with a cash order for \$6.00 or more.

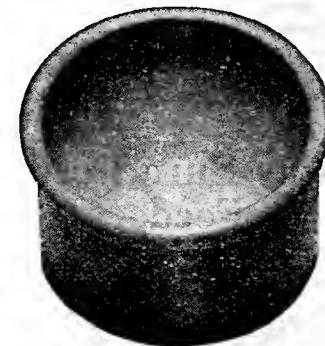
Jamesway Open Mash Feeder



Built to feed either wet mash, green feed or dry mash. The galvanized pan is 10 inches wide and 4 inches deep. The trough is 60 inches long and 20 inches wide over perches. It stands 25 inches high on sturdy metal legs.

No. 525-A — Jamesway Open Feeder, with legs, each \$4.95.

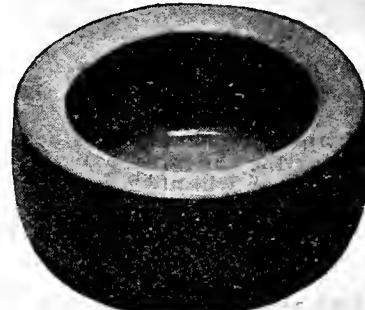
Stoneware Rabbit Waterer



Stoneware Rabbit Waterer

Made especially for the purpose; animal cannot tip them over, as they are extra heavy. Each 30c; 3 for 75c. By mail, each 50c.

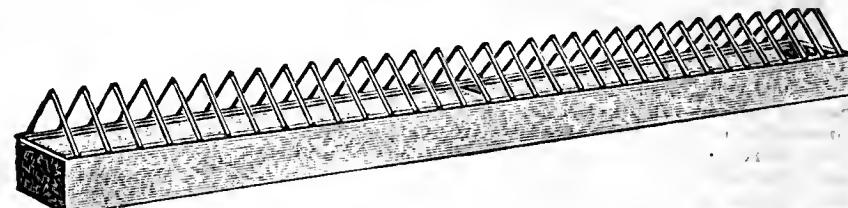
Stoneware Rabbit Feeder



Stoneware Rabbit Feeder

Has flanged top, thus prevents waste of feed. Cannot be turned over while in use. Each 30c; 3 for 75c. By mail, each 50c.

Oakes' Giant Flock Feeder

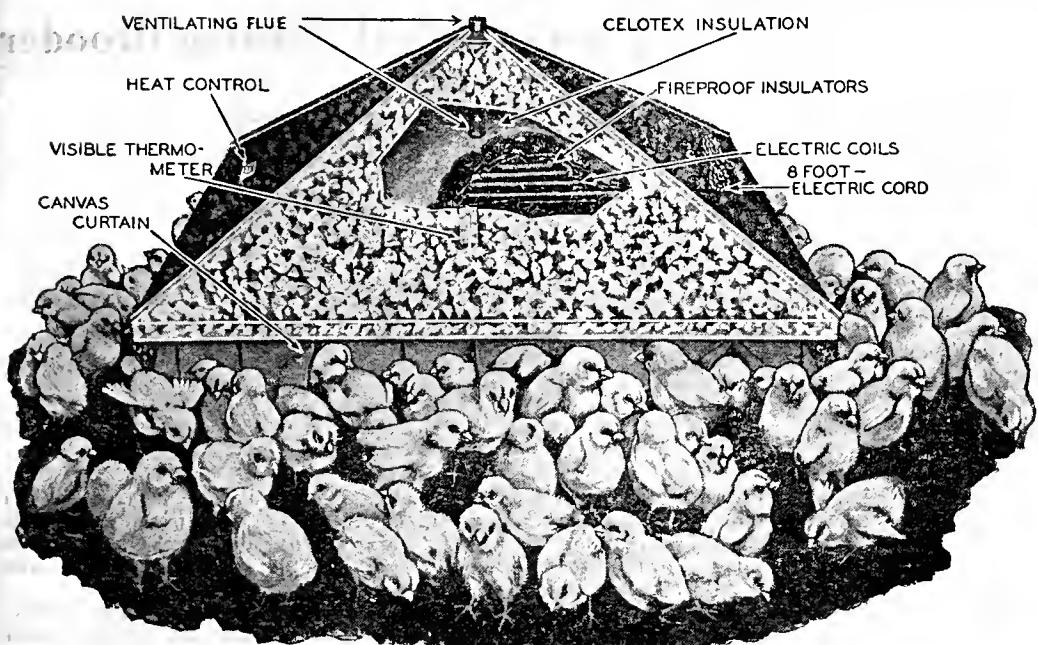


For growing chicks or ducks. It is made of heavy steel, with edges turned in to prevent waste of feed. Has a square bottom trough with a heavy hinged V-shaped wire guard. It can be filled or cleaned as easily and quickly as an open trough, but the wire guard prevents roosting, crowding or throwing out feed. Dimensions, 3½ inches deep, 6 inches wide and 46 inches long.

Price: No. L646—T. Trough \$2.00; by parcel post \$2.50.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

R.-H. Co.'s ELECTRIC BROODERS



Oakes' New Improved Electric Brooder

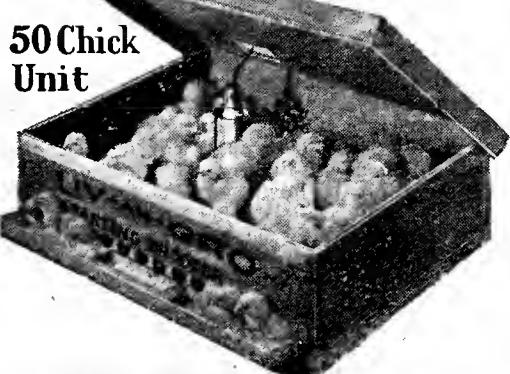
The Oakes New Improved Electric Brooder is by far the most modern and economical brooder for raising flocks from 100 to 650 chicks. The Oakes Electric Brooder can be installed and placed in operation fifteen minutes after arrival. It is only necessary to plug the attachment cord into the nearest lamp socket and adjust the thermostatic switch to give desired temperature. Positive heat control with the Oakes automatic thermostat. Clean, even heat.

No lamps, smoke or fumes; no ashes or coal to carry; no wicks to trim; no messy oil.

Electric Current Consumed—While securing all the advantages of Electric heating, including savings in time, labor and worry, the Oakes Electric Brooder is also economical to operate from the standpoint of actual current consumed.

Wattage and average kilowatts for 24-hour current consumption of different sizes given below:

Size	Wattage	K. W. Used	Size	Wattage	K. W. Used
22 in.	300	2.	42 in.	500	6.
32 in.	300	3.5	52 in.	660	7.5



Liv-An
Grow

Electric
Brooders

A low-priced primary brooder, the box is made of strong fibre with a wire screen floor. It is also durable, waterproof, and equipped with feed and water pans. The box part can be replaced when soiled at a nominal cost. The brooder can be set on the end of two chairs or on a frame, made with legs so as to raise it to a convenient height, which avoids stooping when feeding and watering the chicks. The outfit consists of Brooder Box, ten feet of electric cord, porcelain socket with terminal plug and a circulating drum to enclose the bulb. (electric light bulb is not furnished.) Size of brooder, 20 by 24 inches, 7½ inches high.

Price without dropping pan, only \$2.00; by parcel post \$2.25.



We Guarantee 100% Live Delivery
on our Sterling Grade Baby Chicks

Our customers are now acquainted with the high quality of the Sterling grade baby chicks. They are from properly mated flocks and hatched just right. Remember, it's in the proper hatching whether the chick is right or wrong. If you have not tried our Sterling chicks, let us supply your needs this year. See inside of front cover for our reasonable prices.

Raise Baby Chicks the Modern Easy Way

Chicks brooded electrically are healthier, sturdier and make greater gain in weight on less feed than chicks brooded otherwise. The Oakes New Improved Electric Brooder is by far the most modern and economical brooder for raising flocks of 100 to 650 chicks. The Oakes Electric Brooder can be installed and placed in operation 15 minutes after arrival. It is only necessary to plug the attachment cord into the nearest lamp socket and adjust the thermostat switch to give desired temperature. After adjustment the heat is turned on and off automatically by the Oakes Automatic Thermostat.

There is no lamp or stove to take up valuable space under the canopy. Entire brooder available for chicks. No crowding or smothering. Day and night the Oakes Electric Brooder maintains the exact degree of brooding temperature needed—absolutely without variation. Heat is distributed evenly under the entire brooder. No danger of gassing the chicks. Fire hazards positively eliminated.

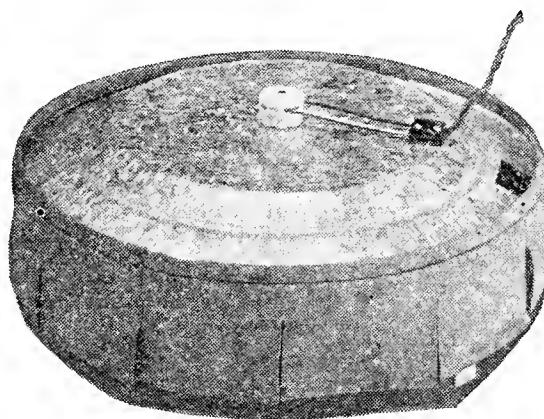
Note construction details (on illustration) of the Oakes Electric Brooder. Heat control screw easily accessible. After adjustment, the lock-nut can be set and the exact degree of temperature will be maintained without variation. The success of electric brooding depends upon this device. See the heavy insulation which reduces heat losses to a minimum. Celotex and Insulite are used.

Brooder operates on 32, 110, or 220-volt direct or alternating current. Be sure to specify voltage and current when ordering.

PRICES:

No. L722—Size 22 in., chick capacity 75, weight 15 lbs. Each \$10.50
No. L732—Size 32 in., chick capacity 150, weight 35 lbs. Each 16.00
No. L742—Size 42 in., chick capacity 250, weight 70 lbs. Each 20.00
No. L752—Size 52 in., chick capacity 385, weight 100 lbs. Each 24.00

Jamesway Electric Brooder



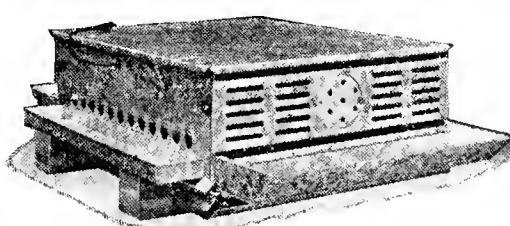
These new improved Jamesway Electric Brooders are up to date, modern and will give perfect satisfaction. We have both the insulated and uninsulated hovers or brooders. The latter are for small flocks and can be used in any room if the hover is placed inside of a large box, so as to retain the heat.

The insulated hover has six thermostatically controlled heating elements, and adjustable flue regulates the amount of fresh air under the hover. When placed in a well-built room which does not get too cold, the No. 698 Hover will take care of 200 chicks. Operates on 110 or 120 volt. Ask for circulars.

PRICES

No. 696—21-in. uninsulated Hover, 50-chick capacity \$3.95; by mail \$4.50
No. 698—32-in. insulated Hover, 200-chick capacity \$9.95; by freight or express only.

Jamesway Battery Brooder Section



The Jamesway individual compartment is well made, strong, heavy and will give real results. It is made so the circulation of heat and air are properly regulated; the temperature is controlled by an automatic thermostat.

The heat element is placed in the center, thus avoids crowding and this heat is properly distributed over the entire space. The Jamesway is the only battery that has this feature. All others have the heater in one end and the chicks will then crowd or bunch up.

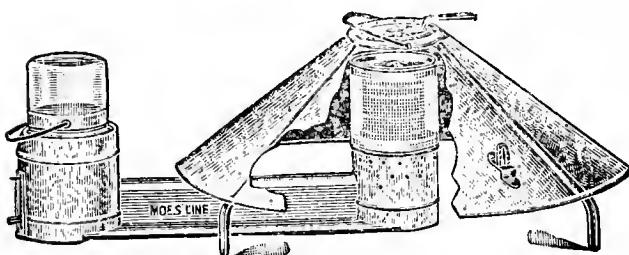
The screen floor is made of extra heavy retinned wire; won't sag like the cheap outfits. Has full length dropping pan, properly placed to avoid clogging of the droppings. Size of section 30 by 30 inches; capacity 100 chicks. Price complete with feed and water pans.

Price No. 628A—Single section, with heat element, \$14.25, f. o. b. Memphis. Price f. o. b. factory, \$13.25.

Price No. 628A—Single section, without heat element, \$10.95, f. o. b. Memphis. Price f. o. b. factory, \$9.95.

RUSSELL-HECKLE'S CHICK BROODERS

Moe's Blue Flame Oil Brooder



A simple and reliable oil burning Brooder, sturdy in construction and easy to operate. Burns kerosene.

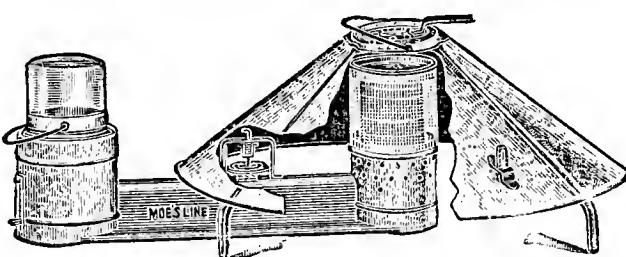
Has a new and improved wickless blue flame burner, with perfect combustion, free from fumes or gases.

It is the same as Moe's Automatic Oil Brooder, except that it does not have the automatic thermostatic control, and the canopy is not insulated. Has a patented Hand Control, with only one moving part, and by means of which the heat is regulated.

PRICES F. O. B. MEMPHIS

No. 232—34-inch canopy, 300-chick capacity.....	\$ 9.00
No. 233—42-inch canopy, 500-chick capacity.....	10.00
No. 234—52-inch canopy, 1000-chick capacity.....	11.00

Moe's Automatic Oil Brooder

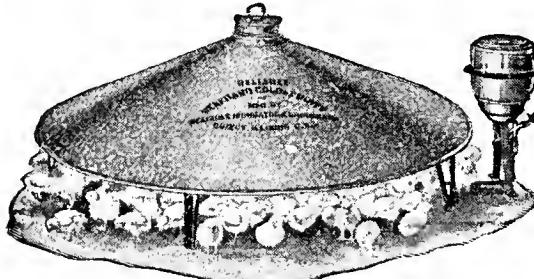


This improved automatic brooder has the double regulation, first the double wafer thermostat; second, the hand lever control. Absolutely dependable, safe and simple to operate. Cannot overheat or go out if you supply the oil. The flow of oil is controlled by gravity, then the thermostat does the remainder. We absolutely guarantee and recommend it.

PRICES F. O. B. MEMPHIS

No. 225—34-inch canopy, 300-chick capacity.....	\$13.00
No. 226—42-inch canopy, 500-chick capacity.....	15.50
No. 227—52-inch canopy, 1000-chick capacity.....	17.50

National "Blue Flame" Oil Brooder

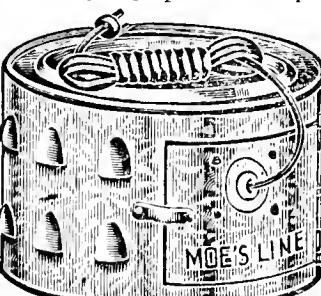


The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir.

MADE IN THREE SIZES

No. 60—34-inch canopy, 200-chick capacity.....	\$14.50
No. 61—42-inch canopy, 350-chick capacity.....	15.50
No. 62—52-inch canopy, 500-chick capacity.....	16.50

Ask for complete descriptive circular.



Moe's Electric Fountain and Brooder Heater

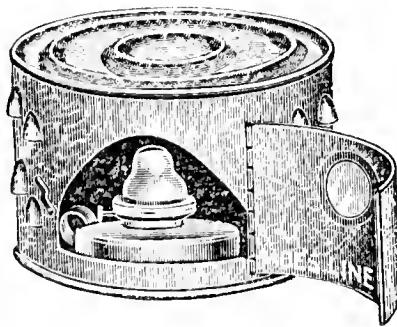
An efficient electric heater which can be used for making a brooder; heats a small box or canopy to perfection. Can also be used for heating poultry fountains. Made of heavy galvanized steel and equipped with soft rubber attachment plug. Furnished for 110 or 120 volt light current.

Price, No. 436 Electric Heater, \$3.00; by parcel post, \$3.40.

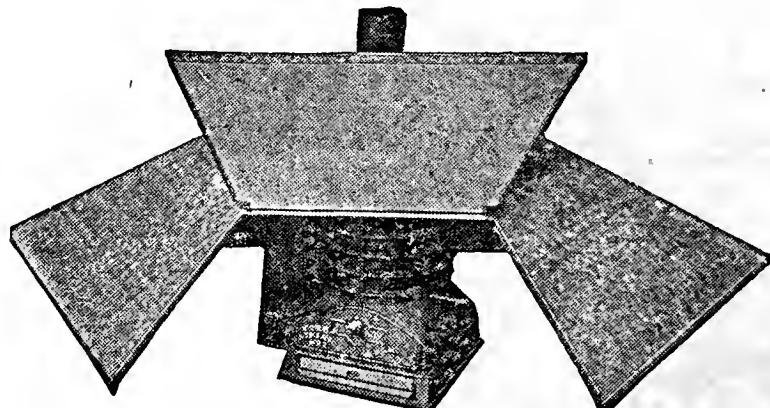
Moe's No. 10 Brooder and Fountain Heater

An excellent heater that burns kerosene, for a small brooder. Place in a box and the chicks will keep warm and comfortable. It can also be used with any style poultry drinking fountain and prevents water from freezing, no matter how cold the weather.

Price, No. 10 Brooder Heater, complete, \$1.90; by parcel post, \$2.15.



Jamesway Fresh Air Coal Burning Brooder

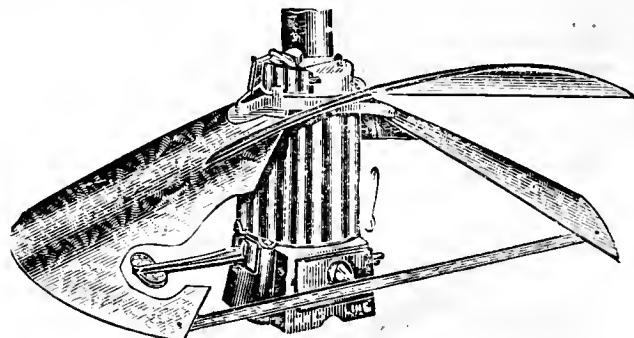


In the Jamesway Brooder the lifeless and foul air is carried off through the stack. This causes fresh air to be drawn in and it is gently spread out under the hover. Jamesway Brooder chicks grow faster and stronger because they are not made to breathe over and over, foul, flat, lifeless air.

Brooder No. 652—Has 52-inch revolving canopy, coal capacity 35 lbs., stove stands 20 inches high with 4-inch collar. Standard brooder stove manufacturers rate this 500 to 1000 chicks, and that's wrong. Jamesway method advises putting 200 to 500 chicks under a 52-inch hover, which is proper. Price, No. 652 Jamesway Brooder with 52-inch canopy, \$19.50.

Brooder No. 660—Has a 60-inch revolving canopy, coal capacity about 60 lbs. Pipe collar 4 inches. The standard rating of this stove is 1000 to 1500 chicks. The Jamesway method tells you to put 300 to 800 chicks under the 60-inch hover in a room 12x18 feet square. Price, No. 660 Jamesway Brooder, with 60-inch canopy, \$21.00.

Moe's Double Draft Brooder Stove



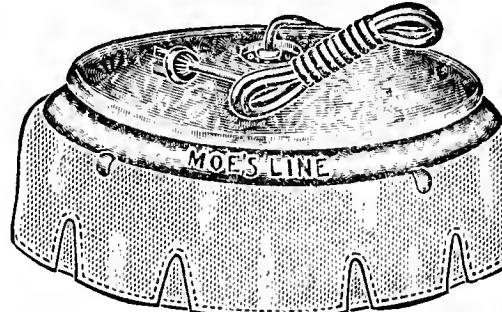
A thoroughly reliable, efficient, practical coal-burning brooder, absolutely guaranteed in every way. It has the latest improved double draft check damper and is self-regulating.

The stove pot is heavy cast iron; the corrugated design greatly increases the amount of heat radiated. The grate is in two sections, easy to clean. The ash pit is large and is raised from the floor and protected by a pad of asbestos. Has a heavy steel galvanized canopy with a wide door or panel, giving easy access to any part of the stove. Made in three convenient sizes.

No. 112—500-chick capacity, 42-inch canopy.....	\$14.00
No. 113—1000-chick capacity, 52-inch canopy.....	17.40
No. 116—1200-chick capacity, 56-inch canopy.....	21.15

F. O. B. Factory.

Moe's Electric Brooder



An efficient, clean and economical brooder fitted with a specially constructed heating unit. Will give an even continuous heat properly distributed to insure the health and comfort of the chicks.

Price Moe's No. 386 Electric Brooder; capacity 75 chicks; diameter of canopy 19 in.; height of hovering space 6½ in. curtain, cord and attachment.

Blue Flame Brooder Repairs

Glass Reservoirs, National or Moe's Brooder.....	\$1.50
Reservoir Valves, National or Moe's Brooder.....	.50
Burner Drums, National or Moe's.....	\$2.00 to 2.50
National Burners, complete, 2 sizes.....	\$5.00 to 7.50
Wicks for National, 2 sizes.....	.40c to .65
Wicks for Moe's Brooder, 2 sizes.....	.30c to .50
Brooder Thermometers, each .....	.50

If wanted by mail, add postage to prices quoted.
Specifying kind and size of brooder when ordering.

Calcium Nitrate

NITRATE of LIME



- ¶ **Guaranteed Analysis:**
15% Nitrogen (18.2% Ammonia).
- ¶ Calcium Nitrate also contains as much calcium (lime) as half its weight of limestone. It leaves a beneficial lime residue in the soil. Both nitrogen and lime are in immediately available form.
- ¶ Calcium Nitrate is the most soluble of all nitrogen fertilizers. Even in a dry season, it absorbs sufficient moisture from the soil to dissolve and begin feeding the crop at once.
- ¶ Calcium Nitrate is a white, dustless granular material—not a powder. It is easy to apply.

MCKENZIE & WILSFORD
PLANTERS

LULA, MISS.

November 7, 1930.

Russell-Heckle Seed Co.,
Memphis, Tennessee.

Dear Sirs:

Your Mr Young and Mr R C Bryan have made some inquiries as to the results we obtained from the use of the fifty-two cars of Calcium Nitrate purchased from you for our farms for the 1930 crop.

It gives me a great deal of pleasure in being able to recommend Calcium Nitrate as a commercial fertilizer. On our lands that received any moisture at all we have been well paid for its application, having been able to pick upwards of a bale of cotton per acre in these places.

We have cultivated around eleven thousand acres in cotton this year, the yield of which is over one-half bale per acre. Of course of this eleven thousand acres, four thousand were in the drought area on which there was no rain fall at all, which naturally lowered the average yield.

Yours very truly,

Frederick Gandy

Sold in Carlots and Less Carlots—Write for Prices

Thousands of tons of Calcium Nitrate have been used with satisfaction and profit during the past four years. Calcium Nitrate has been tested by all Southern experiment stations.

RUSSELL - HECKLE

TOP NOTCH SEEDS

SEED COMPANY

MEMPHIS, TENN.

The Highest Analysis Complete Fertilizer

For Corn, Cotton, Lawns, Garden Crops, Fruit Trees, Shade and Pecan Trees, Plants, Roses, Shrubs, Etc.



- ¶ *Guaranteed Analysis:*
 - 15% Nitrogen (18.2% Ammonia).
 - 30% Available Phosphoric Acid.
 - 15% Potash.
- ¶ One ton of Nitrophoska contains as much plant-food as three to five tons of ordinary low-analysis fertilizer.
- ¶ There is only one-fourth as much weight to haul, handle and apply.

Sold in Carlots and Less Carlots—Write for Prices

NITROPHOSKA 15-30-15

NITROGEN . . .

PHOSPHORIC ACID . . .

POTASH . . .

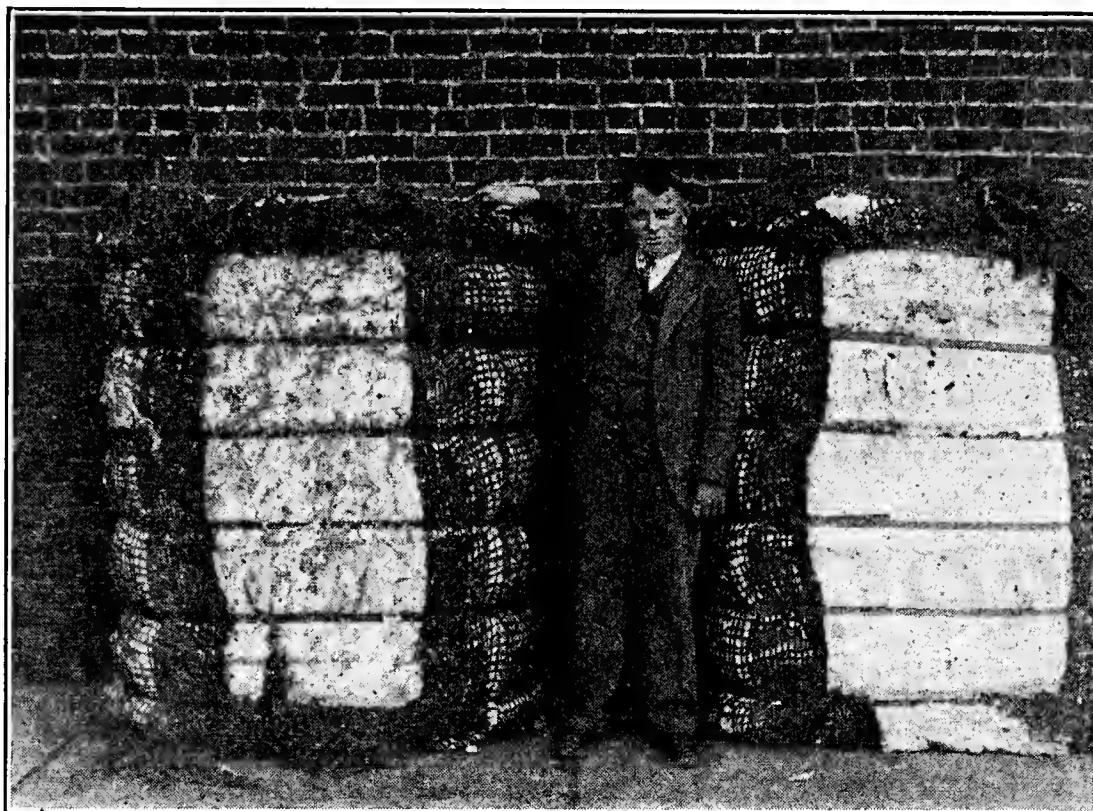
One bag of Nitrophoska supplies as much plant-food as four bags of ordinary low-analysis fertilizer.

When you buy Nitrophoska, you buy your plant-food at low cost per acre, and you also save three-fourths of the labor of hauling and handling.

Why handle useless weight?

Thousands of farmers have proved for themselves the economy and the superior crop producing qualities of Nitrophoska. Don't miss this opportunity to produce better crops at low cost.

Nitrophoska is granular and easy to apply.



John Robert King, Shannon, Miss., who produced 2,930 pounds of seed cotton per acre with 200 pounds of Nitrophoska, 15-30-15

Big Yields - at Low Cost

In Lee County, Mississippi, over 175 4-H Cotton Club boys fertilized their acres with 200 pounds of Nitrophoska in 1929. About 75 of these boys also side-dressed their cotton with 100 pounds of Cal-Nitro per acre. The average yield for all was 1,381 pounds of seed cotton per acre. The 12 highest yields were:

<i>Seed Cotton Per Acre</i>	<i>Seed Cotton Per Acre</i>
John O. Monaghan* 3,070 lbs.	Everett Hodges 2,400 lbs.
John Robert King 2,930 lbs.	Bert Birmingham* 2,225 lbs.
James H. Monaghan* 2,843 lbs.	Irving Parks 2,216 lbs.
Jas. Hulon Monaghan 2,800 lbs.	Joe Lester Agnew* 2,200 lbs.
Morgan Estes* 2,640 lbs.	Marlin Morgan 2,086 lbs.
Vardaman King 2,438 lbs.	William D. Thompson* 2,000 lbs.

*Side dressed with Cal-Nitro.

Because of their high yields per acre, these boys realized exceptionally large profits per acre.

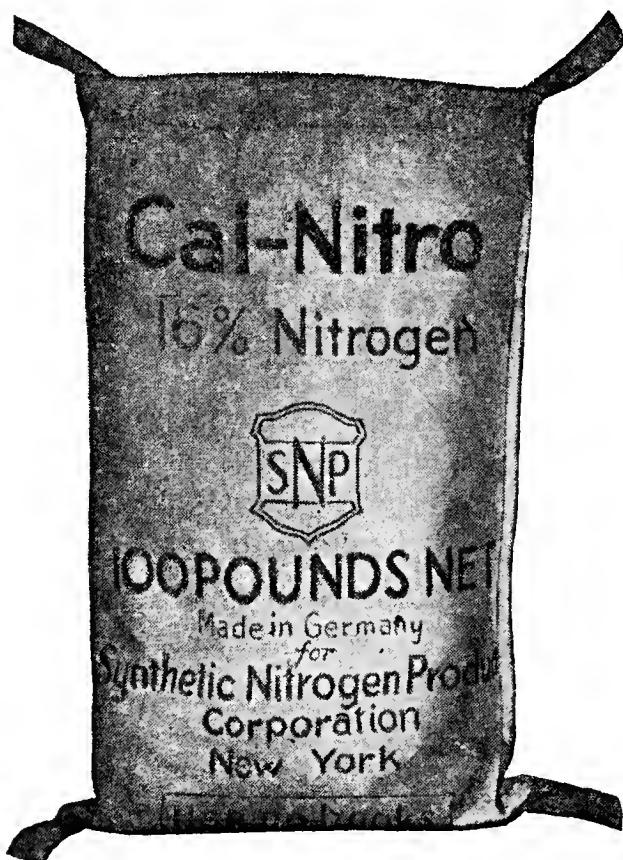
Sold in Carlots and Less Carlots—Write for Prices

NITROPHOSKA
15-30-15

CAL-NITRO

*A Quick-acting and Long-lasting
Side Dressing*

NITROGEN FERTILIZER



◆ **Guaranteed Analysis:**
16% Nitrogen (19.4% Ammonia).

◆ Cal-Nitro also supplies as much calcium carbonate as half its weight of limestone.

◆ Cal-Nitro supplies both quick-acting and non-leaching nitrogen.

◆ Cal-Nitro is an ideal nitrogen fertilizer for side-dressing cotton, corn and other crops. It may be mixed with other fertilizer materials if desired.

Cal-Nitro possesses distinct advantages as a nitrogen side-dresser for all crops. It supplies a part of its nitrogen in the quick-acting nitrate form which is immediately available to give the crop a quick start and a vigorous early growth. The remainder of its nitrogen is a longer lasting form which keeps feeding the crop right up to maturity.

Cal-Nitro also contains lime in a form which helps to check soil acidity and also supplies lime as a plant-food. Many soils are deficient in lime and too acid to produce maximum yields.

Cal-Nitro has given outstanding results on cotton, corn, vegetables, fruits, tobacco and many other crops.

Cal-Nitro does not puddle heavy soils and cause them to bake and crust. On the contrary, it helps to keep the soil loose and easy to work.

RUSSELL-HECKLE'S

GREEN INK QUANTITY PRICE LIST

No. 75 — March 25th, 1932

These prices cancel all previous quotations. Parcel Post: If you order from this list to come by Parcel Post, be sure to include money for postage. All prices on this Green Ink List are f.o.b. Memphis.

BEANS—Bush Lima

60 lbs. to bu. Catalogue Page 6.

	Gal.	Peck	Bu.
Burpee's Imp. Bush Lima.....	\$1.90	\$3.60	\$13.80
Fordhook Bush Lima.....	2.10	4.00	15.00
Henderson's Bush Lima.....	1.00	1.95	7.20
Never Fail Bush Lima.....	1.25	2.25	8.40

BEANS—Bush Green and Wax Pod

60 lbs. to bu. Catalogue Page 7.

	Gal.	Peck	Bu.
Black Valentine.....	\$0.95	\$1.75	\$6.60
Bountiful.....	.90	1.70	6.25
Burpee's Stringless Green Pod.....	.90	1.70	6.25
Full Measure.....	.95	1.80	6.90
Giant Stringless Green Pod.....	.90	1.70	6.25
Imp. Early Red Valentine.....	.95	1.75	6.60
Longfellow.....	.90	1.70	6.25
Stringless Red Valentine.....	1.00	1.90	7.00
Tenn. Green Pod.....	1.00	1.99	7.00
Currie's Rust Proof Wax.....	1.20	2.10	8.00
Davis Wax.....	1.10	2.00	7.75
Improved Golden Wax.....	1.10	2.00	7.75
Pencil Pod Wax.....	.90	1.70	6.25
Prolific Black Wax.....	.95	1.75	6.60
Sure Crop Wax.....	.90	1.70	6.25
Webber Wax.....	1.00	1.90	7.00

BEANS—Pole or Running

60 lbs. to bu. Catalogue Page 8.

	Gal.	Bu.	Peck
Kentucky Wonder or Old Homestead.....	\$1.15	\$2.10	\$7.75
McCaslan Pole.....	1.35	2.50	9.25
Red Speckled Cut Short.....	1.50	2.60	9.50
Scotia Striped Cornfield.....	1.20	2.15	8.00
Tennessee Wonder.....	1.40	2.65	9.75
White Creaseback or Fat Horse.....	1.35	2.50	9.00

BEANS—Pole, Butter or Lima

60 lbs. to bu. Catalogue Page 8.

	Gal.	Peck	Bu.
Carolina Sieve, Small Pole Butter.....	\$1.15	\$2.10	\$8.25
Calico or Florida Speckled.....	1.30	2.45	9.25
King of the Garden Lima.....	1.70	3.15	11.75
Large White Lima.....	1.70	3.15	11.75
R.-H. Co.'s Improved Butter.....	1.60	3.00	11.00

BEANS—Field or Shell

60 lbs. to bu. Catalogue Page 6.

	Gal.	Peck	Bu.
Great Northern.....	\$0.75	\$1.35	\$4.75
Red Kidney.....	1.15	2.00	7.50
White Navy or Pea Bean.....	.95	1.75	6.50

BEETS

Catalogue Page 9.

	1 lb.	5 lbs.	10 lbs.
Crosby's Egyptian.....	\$0.45	\$1.75	\$3.25
Detroit Dark Red.....	.50	2.00	3.50
Early Blood Turnip.....	.40	1.50	2.75
Eclipse Blood Turnip.....	.45	1.75	3.25
R.-H. Co.'s Early Wonder.....	.50	2.00	3.50
R.-H. Co.'s Ideal.....	.60	2.25	4.00
Giant Feeding Sugar Beet.....	.35	1.50	2.75
Golden Tankard Mangel Beet.....	.35	1.50	2.75
Mam. Long Red Mangel Beet.....	.35	1.50	2.75

CABBAGE

Catalogue Page 10.

	1 lb.	5 lbs.	10 lbs.
Charleston Large Wakefield.....	\$1.25	\$5.50	\$10.00
Copenhagen Market.....	1.85	8.50	15.00
Early Jersey Wakefield.....	1.25	5.50	10.00
Early Flat Dutch.....	1.25	5.50	10.00
Early Summer.....	1.25	5.50	10.00
Golden Aere.....	3.00	13.75	22.00
Large Late Drumhead.....	1.25	5.50	10.00
Large Late Flat Dutch.....	1.25	5.50	10.00
Large Drumhead Savoy.....	1.50	6.00	11.00
Succession.....	1.25	5.50	10.00

CABBAGE PLANTS

Catalogue Inside Back Cover Page.

	1000	5000	10000
Charleston Wakefield, Early Jersey Wakefield, Early Flat Dutch, prices f.o.b. Memphis.....	\$1.75	\$7.50	\$12.50
Prices f.o.b. Growing Station, any variety.....	1.50	6.00	10.00

CARROTS

Catalogue Page 11.

	1 lb.	5 lbs.	10 lbs.
Danver's Half Long.....	\$0.65	\$2.85	\$5.00
Half Long Scarlet.....	.65	2.85	5.00
Improved Long Orange.....	.65	2.85	5.00
Oxheart.....	.75	3.00	5.50
Yellow Belgian.....	.55	2.40	4.50
R.-H. Co.'s Coreless.....	1.00	4.25	7.50

Conditions beyond our control force us to sell for CASH ONLY
REMIT BY POST OFFICE MONEY ORDER OR REGISTERED LETTER.
ALL CHECKS MUST BE CERTIFIED.

COLLARDS

Catalogue Page 11.

	1 lb.	5 lbs.	10 lbs.
Georgia White Cabbage.....	.60	\$2.25	\$3.75
Southern or Georgia.....	.60	2.25	3.75

CANTALOUPE OR MUSK MELON

Catalogue Page 18.

	½ lb.	1 lb.	5 lbs.
Acme or Baltimore.....	\$0.50	\$0.90	\$4.00
California Beauty.....	1.25	2.25	10.00
Hale's Best.....	.50	.90	4.00
Hearts of Gold.....	.50	.90	4.00
Lake Champlain.....	.75	1.25	5.00
Mammoth Rockyford.....	.60	1.00	4.50
Pink Meat Rockyford.....	.50	.90	4.00
Rockyford Select.....	.45	.80	3.50
Superfecto.....	.75	1.25	5.00
Tip Top Nutmeg.....	.50	.90	4.00

CORN—Garden

56 lbs. to bu. Catalogue Page 12.

	Gal.	Peck	Bu.
Early Large Adams.....	\$0.65	\$1.20	\$4.25
Elam's Early Market.....	.70	1.25	4.40
Extra Early Adams.....	.65	1.20	4.25
Improved Adams.....	.70	1.25	4.40
R.-H. Co.'s Early Surprise.....	.60	.95	3.25
Snowflake, Genuine.....	.60	.95	3.25
Trucker's Favorite.....	.50	.80	2.75

CORN—Sweet

Sold measure only. Catalogue Page 12.

	Gal.	Peck	Bu.
Country Gentleman.....	\$0.95	\$1.75	\$5.50
Golden Bantam.....	.80	1.55	5.90
Golden Sunshine.....	1.00	1.85	6.60
Howling Mob.....	.85	1.60	6.00
Mammoth Sugar.....	1.00	1.85	6.60
Stowell's Evergreen.....	.95	1.75	6.50
Whippell's Early Yellow.....	.95	1.75	6.50

CUCUMBERS

Catalogue Page 13.

	1 lb.	5 lbs.	10 lbs.
Chicago Pickle.....	\$0.75	\$2.95	\$5.50
Davis Perfect.....	1.00	4.00	7.00
Early Fortune.....	1.00	4.00	7.00
Evergreen White Spine.....	.85	3.00	5.75
Improved Early White Spine.....	.75	2.95	5.50
Improved Long Green.....	.75	2.95	5.50
Stay Green.....	1.00	4.00	7.00

EGG PLANT—Endive

Catalogue Page 14.

	Oz.	¼ lb.	1 lb.
Black Beauty Egg Plant.....	\$0.35	\$1.10	\$3.95
New York Improved Purple Egg Plant.....	.35	1.10	3.95
Broad Leaved Endive			

CANNED MEAT—For Dogs and Puppies

Catalogue Page 69.

Ken-L-Ration, case 48 1-lb. cans.....	\$5.95
Hem-O-Ration, case 48 1-lb. cans.....	6.00
Maro-Meat, case 18 2½-lb. cans.....	5.75
Miller's Canned Meat, case 18 2½-lb. cans.....	5.25
Miller's A-1 Quick Lunch, case 48 1-lb. cans.....	5.40
Pup-E-Ration, case 48 1-lb. cans.....	6.40
Kit-E-Ration, case 48 1-lb. cans.....	6.00

DOG FEED, DOG CAKES and BISCUITS

Catalogue Page 68.

	25 lbs.	50 lbs.	100 lbs.
Champion Dog Biscuit.....	\$2.50	\$4.85	\$9.50
Champion Kibbled Biscuit.....	2.75	5.10	10.00
Champion Puppy Biscuit.....	2.75	5.10	10.00
Champion Puppy Meal.....	2.75	5.10	10.00
Miller's A-1 Dog Ration.....	1.50	2.75	5.25
Miller's A-1 Dog Biscuit.....	2.50	4.85	9.50
Miller's A-1 Kibbled Dog Biscuit.....	2.40	4.60	9.00
Miller's A-1 Puppy Meal.....	2.40	4.60	9.00
K.F.S. Kibbled Biscuit with Cod Liver Oil.....	2.50	4.85	9.50
Happy Dog and Puppy Food.....	1.15	2.25	4.25
Stafolife Dog Pellets.....	1.90	3.60	6.90

FERTILIZERS

Catalogue Pages 63-64.

	100 lbs.	Ton
R.-H. Co.'s Acid Phosphate, 16%.....	\$1.25	\$19.00
R.-H. Co.'s Bone Meal Fertilizer, 22%, 125 lb. sack.....	3.75	45.00
R.-H. Co.'s Good Luck Corn Fertilizer, 4-8-4.....	2.00	32.50
R.-H. Co.'s Good Luck Cotton Fertilizer, 4-8-4.....	2.00	32.50
R.-H. Co.'s Special Cotton Fertilizer, 5-10-3.....	2.25	35.00
R.-H. Co.'s Early Truckee, 4-8-4.....	2.00	32.50
R.-H. Co.'s Jax Fertilizer, 17-33-17.....	12.00	.....
R.-H. Co.'s Kainit, 20% Potash.....	1.75	28.50
R.-H. Co.'s Muriate of Potash, 48%.....	3.25	56.00
R.-H. Co.'s Nitrate of Soda, 15% Nitrogen.....	2.50	49.00
R.-H. Co.'s Sulphate of Ammonia, 16% Nitrogen.....	2.45	43.00
R.-H. Co.'s Calcium Nitrate, 15% Nitrogen.....	2.25	40.00
R.-H. Co.'s Cal-Nitro, 16% Nitrogen.....	2.50	45.00
R.-H. Co.'s Nitrophoska, 15-30-15.....	4.50	85.00
R.-H. Co.'s Nitrophoska, 10-20-20.....	4.00	75.00
R.-H. Co.'s Pulverized Sheep Manure.....	2.25	35.00
R.-H. Co.'s Agricultural Lime, 40 lb. bags, 75c; 5 bags, \$3.25.		
R.-H. Co.'s Granulated Peat Moss, per bale, \$3.75.		
Vigoro, 25 lb. bag \$1.75; 50 lb. bag \$3.00; 100 lb. bag \$5.00		

HORSE, STOCK and POULTRY REMEDIES

Catalogue Pages 76-77-78-79.

Dr. Hess Stock Tonic, 5 lb. size.....	Each	\$0.75
Dr. Hess Stock Tonic, 10 lb. size.....	Each	1.00
Dr. Hess Stock Tonic, 15 lb. size.....	Each	2.00
Dr. Hess Stock Tonic, 25 lb. size.....	Each	3.00
Legear's Stock Tonic, 1½ lb. size.....	Each	.25
Legear's Stock Tonic, 8 lb. size.....	Each	1.00
Legear's Stock Tonic, 25 lb. size.....	Each	3.00
Pratt's Animal Regulator, 25 lb. pail.....	.....
B. K. Disinfectant, qt. bottle, 90c; gallon.....	.....
Kow Kare for Cows Only, small can.....	Each	.65
Kow Kare for Cows Only, large can.....	.....
Sal-Vet Stock Medication, 3 lb. pkg.....	Each	1.00
Sal-Vet Stock Medication, 7½ lb. pkg.....	Each	2.00
Dr. Hess Panamin, 3 lb. pkg., each \$0.50; 7 lb. pkg., each.....	.....
Dr. Hess Panamin, 15 lb. pkg., each 2.00; 25 lb. pkg., each.....	.....
Legear's Poultry Prescription, 3½ lb. size.....	Each	.50
Legear's Poultry Prescription, 8 lb. size.....	Each	1.00
Germo Cholerine, 8 oz. bottles, each 30c; 16 oz. bottles.....	Each	.60
Nopco Cod Liver Oil, 2 qt. can, each \$1.15; 1 gal. can, each \$2.15; 5 gal. can.....	Each	9.00

POULTRY AND PIGEON FEEDS

Catalogue Pages 72-73-74.

	25 lbs.	50 lbs.	100 lbs.
Conkey's Buttermilk Starter with Y. O.....	\$1.00	\$1.80	\$3.35
Conkey's Buttermilk Growing Mash with Y. O.....	.85	1.50	2.75
Conkey's Fine Chick Scratch Grain.....	.70	1.20	2.15
Conkey's Growing or Coarse Chick Grain.....	.65	1.15	2.00
Ful-O-Pep Chick Starter with Cod Liver Meal.....	.80	1.50	2.75
Ful-O-Pep Growing Mash with Cod Liver Meal.....	.70	1.25	2.35
Ful-O-Pep Fine Chick Scratch Grain.....	.70	1.25	2.35
Ful-O-Pep Growing or Coarse Chick Grain.....	.70	1.25	2.30
Ful-O-Pep Egg Mash with Cod Liver Meal.....	.70	1.25	2.30
Ful-O-Pep Hen Scratch Grain.....	.55	.90	1.70
Ful-O-Pep Turkey Starter with Cod Liver Meal.....	.85	1.55	2.95
Stafolife Starting Mash with Buttermilk.....	.80	1.50	2.75
Stafolife Growing Mash with Buttermilk.....	.70	1.25	2.35
Stafolife Fine Chick Scratch Feed.....	.70	1.25	2.35
Stafolife Growing or Coarse Chick Grain.....	.70	1.25	2.30
Stafolife Egg Mash with Buttermilk.....	.70	1.25	2.30
Stafolife Hen Scratch Grain.....	.55	.90	1.70
Stafolife All-Mash Feed.....	.90	1.55	2.85
Happy American Beauty Pigeon Feed.....	.95	1.80	3.45
Happy No. 2 Pigeon Feed without Corn.....	.90	1.65	3.15

OYSTER SHELLS, GRIT, ETC.

Catalogue Page 75.

	10 lbs.	25 lbs.	100 lbs.
Bone Meal, Chick or Hen Size.....	\$0.50	\$1.00	\$3.00
Charcoal, Chick or Hen Size.....	.60	1.00	3.00
Grit, Chick or Hen Size.....	.25	.50	1.00
Oyster Shell, Chick or Hen Size.....	.25	.50	1.00
Red Cross Pigeon Grit, XX Grade.....	.40	.85	2.95

MISCELLANEOUS FEED

Catalogue Pages 73-75-79.

	10 lbs.	25 lbs.	100 lbs.
Beef or Meat Scraps.....	\$0.45	\$0.75	\$2.25
Canada Field Peas.....	.75	1.75	5.75
Digester Tankage.....	.45	.75	2.25
Dried Buttermilk.....	.80	1.50	5.25
Dry Skim Milk.....	.90	1.75	6.00
Linseed Meal.....	.50	1.00	3.50
Rolled Oat Meal.....	.50	.90	3.00
Shumacker Calf Meal.....		1.15	4.00
Sunflower Seed.....	.80	1.50	4.50
Staf-O-Life Rabbit Pellets.....	.50	.90	2.90
Sunset Rabbit Mash.....	.50	.90	2.90
Dieapho 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.00.			
Semi-Solid Buttermilk, 5 gallon drum, \$3.00.			
Poultry Litter, per bale, \$3.75.			
Conkey's Y. O. Yeast and Cod Liver Oil, 5 lb., \$1.60; 25 lbs., \$6.50; 50 lbs., \$11.50; 100 lbs., \$19.50.			

RAT AND MOUSE DESTROYERS

Catalogue Page 70. These cannot be mailed.

Cowley's Liquid Rat and Mouse Poison, bottle 50c; 6 bottles.....	\$2.50
Mouse Seed, sure gets them, box, 25c; 6 boxes.....	1.25
Red Cross Rat and Mouse Embalmer, can, 25c, 50c and.....	1.00
Zelio for Rats and Mice, a Bayer Product. Tube.....	.50

FLY, ANT AND ROACH KILLERS

Catalogue Pages 59-79-80.

Fly Tox, ½ pt. bottle, 35c; 1 pt. bottle.....	\$0.50
Knock Out Fly Spray, 1 qt. can, 60c; 1 gallon can.....	1.50
Red Star Roach and Ant Insecticide, qt., 75c; gallon.....	2.00
Thousand Dollar Guaranteed Roach Killer, cans, 35c; 65c.....	1.25
Thousand Dollar Guaranteed Ant Bane, cans, 35c.....	.65
Thousand Dollar Guaranteed Flea Killer, can.....	.50
Thousand Dollar Guaranteed Bed Bug Killer, cans, 35c.....	.65

SPRAY PUMPS

Catalogue Pages 61-62.

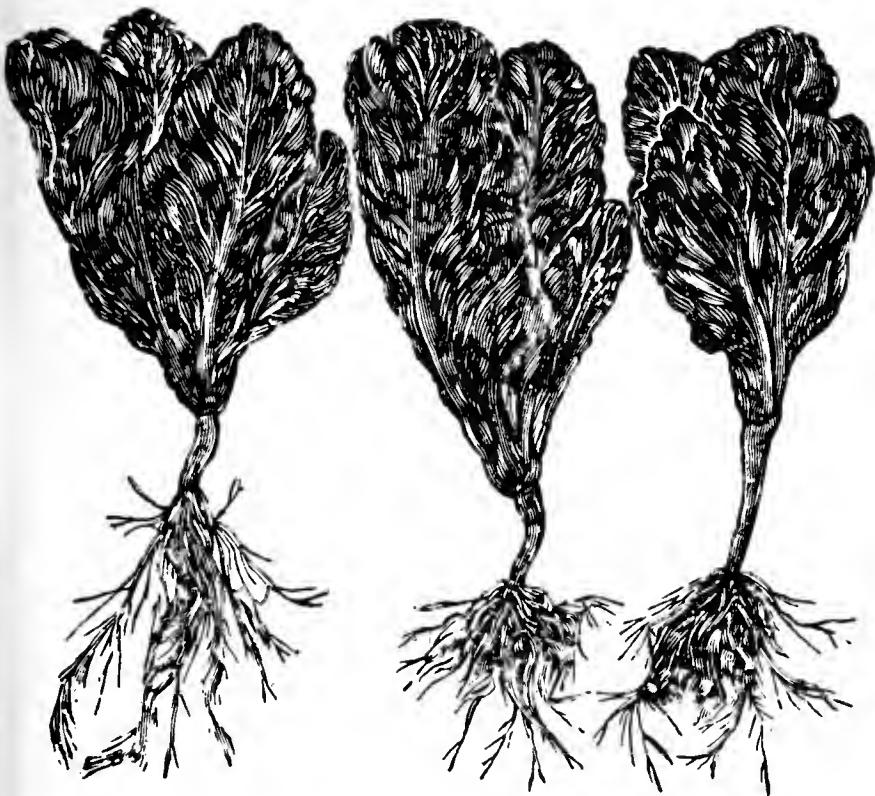
Hudson No. 110, Perfection Galv. Compressed Air Sprayer.....	Each	\$6.00
Hudson No. 140-G, Junior Galv. Compressed Air Sprayer.....	Each	4.50
Hudson No. 36-S, Sunshine Portable Sprayer.....	Each	13.75
Hudson No. 32-S, Ideal Portable Sprayer.....	Each	22.00
Hudson No. 4-A, Barrel Spray Pump.....	Each	12.75
Myer's No. 2296, Compressed Air Sprayer.....	Each	4.00
Myer's No. R336-B, Portable Sprayer.....	Each	21.00
Myer's No. R305-B, Barrel Spray Pump.....	Each	12.00
Myer's No. R325, Bucket Spray Pump.....	Each	3.50
Myer's No. R330, Galv. Knapsack Sprayer.....	Each	9.75
Myer's No. R318-B, Barrel Spray Pump.....	Each	12.80

SPRAY MATERIAL AND INSECTICIDES

Catalogue Pages 58-59-60.

Arsenate of Lead, case 12 4-lb. bags, 48 lbs.....		\$7.20
Bordeaux Dry Powder, case 8 4-lb. pkgs., 32 lbs.....		4.50
Bordeaux Dry Powder, 25 lb. carton.....		3.25
Bug Death, 12½ lbs., \$2.00; 100 lbs.....		14.25
Blue Stone Crystals, 10 lbs., \$1.00; 100 lbs.....		8.25
Calcium Arsenate, 100 lb. drum.....		7.50
Champion Tree Killer, 5 gallon drum.....		6.00
Copper Sulphate Solution, 1 gallon can.....		3.00
Crewood Oil, 5 gallons, \$2.50; 10 gallons.....		4.50
Dritomac Sulphur, case 12 4-lb. pkgs., 48 lbs.....		5.75
Kaysco Spreader, 10 lbs., \$2.15; 100 lbs.....		16.00
Lime Sulphur Dry, 12½ lb. bag, \$1.75; 25 lb., \$3.50; 100 lbs.....		11.00
Lime Sulphur Solution, 5 gallon can, \$2.25; 10 gallon can.....		4.25
Lime Sulphur Solution, 30 gallon drum, \$9.60; 50 gallon drum.....		11.00
Oil Emulsion Solution, 5 gallon can, \$2.25; 10 gallon can.....		4.25
Oil Emulsion Solution, 30 gallon drum, \$9.60; 50 gallon drum.....		13.00
Paradichlorobenzene, 5 lb. can, \$2.00; 25 lb. drum, \$6.75; 100 lb. drum.....		23.00
Peach Mix for Brown Rot on Peaches, 10 lbs., \$1.50; 50 lbs.....		4.00
Pyrox, 1 lb. pkg., 50c; 5 lb. pkg., \$1.75; 10 lb. pkg.....		3.00
Scalecide, 5 gallons, \$6.00; 10 gallons, \$10.00; 15 gallons.....		13.50</

RUSSELL-HECKLE CO.'S FROST PROOF CABBAGE PLANTS



These plants can be set out anywhere, and although the top of the plant does not grow until spring weather, the roots take hold immediately and develop, even though they should be covered with snow. Later, when the weather becomes favorable, they make an astonishing growth, due to their early start.

The market gardener who grows cabbages for shipment or the market must have extra early maturing crops if he wishes to obtain the highest prices.

Orders for plants will be shipped in about four or five days after they are received, if weather conditions permit. If plants do not arrive as soon as you expect them you may know that conditions beyond our control are causing the delay.

No plants shipped C. O. D. We will mail these plants at the post-paid prices named below to any address in the United States, except the far West or far North, or we will ship by express collect either from Memphis or from growing station. All plants must be paid for in advance. Please do not ask us to break this very necessary rule.

No order filled for less than 100 of a variety.

VARIETIES AND PRICES: Jersey Wakefield, Charleston Large Wakefield, and Early Flat Dutch. Prices: Parcel post paid, 100, 35c; 500, \$1.25; 1,000, \$2.25. Not prepaid, by express, from Memphis, 100, 25c; 500, \$1.00; 1,000, \$2.00. Prices, F. O. B. growing station, express collect: 1,000, \$1.50; 5,000, \$6.00; 10,000, \$10.00. All prices on cabbage plants are subject to crop conditions and market changes.

R.-H. CO.'S BERMUDA ONION PLANTS

Onion plants are becoming more popular than onion sets. The set has to be absorbed by the new growth before it begins to form the new onion, whereas the plant begins to grow as soon as it is planted and makes more headway than the set, producing delicious young onions that can be pulled green, or if permitted to mature, will produce splendid onions two weeks ahead of onions from sets, and considerably earlier than onions from seeds. Onions grown from plants are larger and do not run to seed in the spring, like sets. They can be set out at the same time you would plant onion sets or cabbage plants, with every assurance of producing a good crop of either young green onions or dry onions. Onion plants will usually produce onions much larger than those grown from dry sets. Plant in rows 15 inches apart and 3 to 4 inches apart in the row.

Yellow or Straw Colored Bermuda Onion Plants

Prices, postpaid: 100, 25c; 500, 75c; 1,000, \$1.25; 6,000 plants, \$4.80. Prices not prepaid, from Memphis: 100, 15c; 500, 60c; 1,000, \$1.00; per crate, 6,000 plants, \$4.20.

Price f. o. b. growing station, per crate of 6,000 plants, \$3.20. Larger quantities at special prices.

Crystal White Wax Bermuda Onion Plants

Prices, postpaid: 100, 25c; 500, 75c; 1,000, \$1.25; 6,000 plants, \$4.80. Not prepaid: 100, 15c; 500, 60c; 1,000, \$1.00; per crate, 6,000 plants, \$4.20.

Price, f. o. b. growing station, per crate, 6,000 plants, \$3.20. Larger quantities at special prices. All prices on onion plants are subject to crop conditions and market changes.

GATOR HIDE MULCH PAPER



Tomato plants — each 10 weeks old — grown with and without Mulch Paper. Increase in yield for the mulch-grown was 44%.

Garden size package of Mulch Paper for the small places contains 45 feet of Grade B Paper.

Rolls 18 inches wide, 65c; mailed, 85c.

Most of us have used straw, leaves, peat, manure, etc., for a mulch. They are good, but not permanent nor perfect by any means. Mulch Paper is heavy Gator Hide Kraft Paper impregnated with asphalt. It is black in color, very tough, and is used on the soil surface. Seeds may be planted or plants set in holes punched in the paper, or paper laid between the rows. Thus, while ample space is provided for the plant, no space is left for weeds, and the nourishment they ordinarily steal from the soil is conserved for the crops you plant.

Gator Hide Mulch Paper comes in rolls 18 inches and 36 inches wide, each 150 lineal yards (450 feet) long.

Type B—Heavy weight, for all purposes:

Rolls 18 inches wide, 150 yards long, each \$3.00.

Rolls 36 inches wide, 150 yards long, each \$6.00.

F. O. B. Memphis.

The principles of Mulch Paper are far beyond the experimental stage today. Its value is attested by statistics available to everyone. Statistics that show, for example, an increased yield in Mulch-Paper-grown spinach of 400%—in sweet corn of 250%—in sweet potatoes of 100%—in tobacco, cotton, beets, summer turnips, tomatoes and an almost unending variety of other farm products.

Unrolled over the proposed plant beds, and anchored by soil or other available material along the edges, Gator Hide Mulch Paper imprisons all the moisture in the soil. Its black surface catches and retains the sun's heat. This raises the soil's temperature, prevents cooling at night, and promotes continuous bacterial activity, liberating night and day nitrous food matter for the plant, producing bigger, better and earlier crops.

Mulch Paper will eliminate much labor of cultivating and weeding, produces earlier crops, and increases the yield.

Ask for descriptive pamphlets.

TOP NOTCH SEEDS 1932

BREAK-O-DAY



RUSSELL-HECKLE SEED CO.

MEMPHIS ON THE MISSISSIPPI